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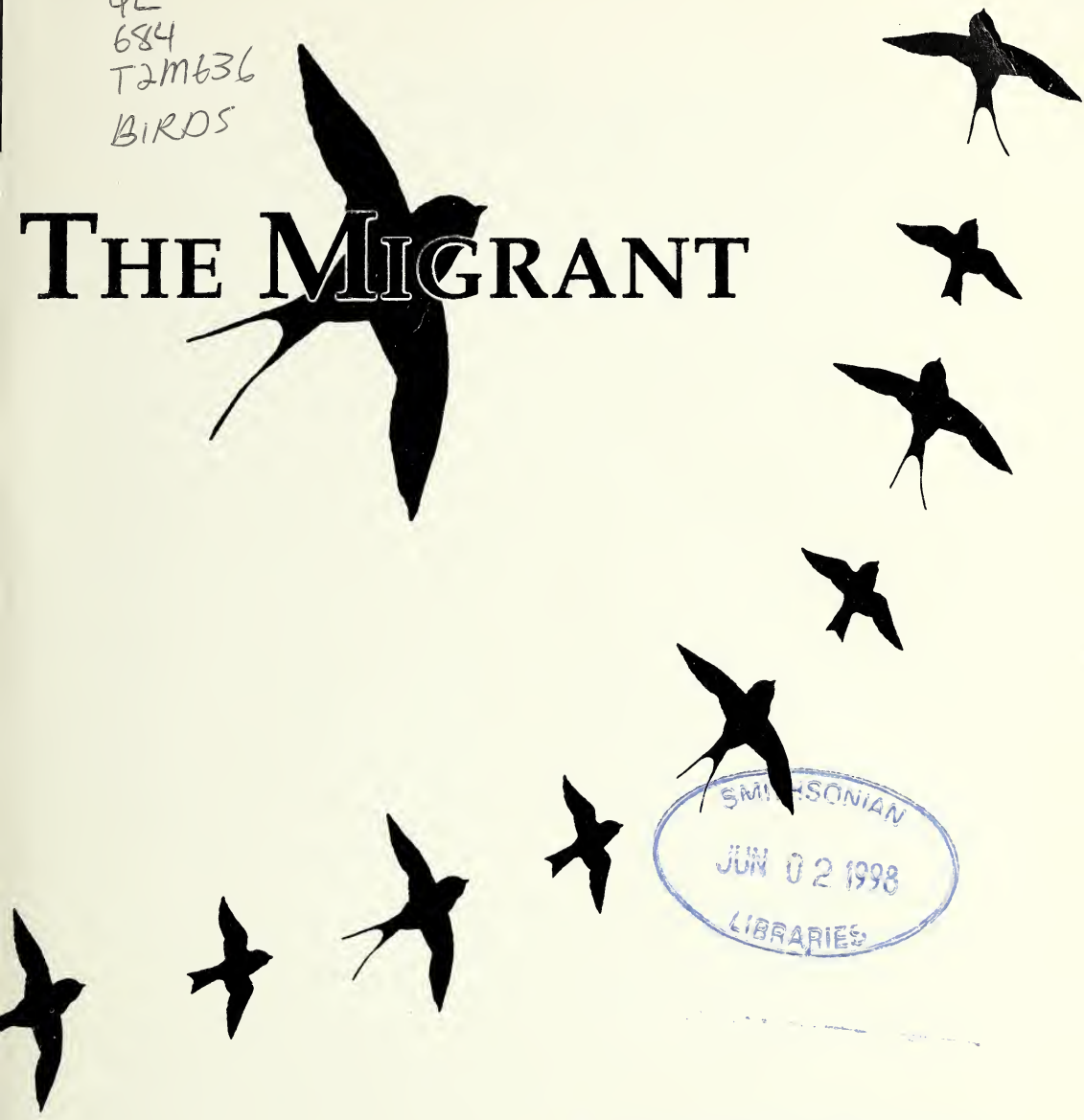

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A QUARTERLY JOURNAL
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MARCH - DECEMBER 1994
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All TOS members receive *The Migrant* and the TOS newsletter, *The Tennessee Warbler*. The newsletter carries information about meetings, forays, and club activities.

Annual dues are $10.00 for an Active membership. Other categories of membership are: Student - $5.00; Family - $12.00; Library - $15.00; Sustaining - $20.00; Life - $200.00. Chapters may collect additional fees to cover local expenses. Dues, contributions, and bequests are deductible from Federal income and estate taxes. Back issues of *The Migrant* may be purchased from the Curator. Please correspond with the Treasurer for subscriptions, memberships, and changes of address.

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VOL. 65 March 1994 NO. 1

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NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of 1994. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

(Vol. 65, 1994) [ACTUAL PRINTING DATE: 30 April 1998]

THE MIGRANT

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VOL. 65 March 1994 NO. 1

The Migrant, 65 (1) 2-3, 1994.

DIURNAL PROVISIONING OF A GREAT HORNED OWL NEST

Notes On (Of) a Great Horned Owl Nest, Including Diurnal Provisioning

Polly Newell and Don Newell
129 Lick Meadow Road
Bristol, TN 37620

The discovery of a nest of the Great Horned Owl (*Bubo virginianus*) in our backyard provided a good opportunity to casually observe the daily activities of these birds during the raising of their young. The most interesting observation was the daylight delivery of food by the adult owls. We noted at least two such deliveries.

The nest was in a dead oak (*Quercus* sp.) about 25 m from our back deck. The top of the tree had broken off about 10 m above the ground, leaving a hollowed stump. We first noticed an adult owl there in early March 1992, alerted by the mobbing action of American Crows (*Corvus brachyrhynchos*). From 17-22 March, the owl remained on the nest most of the day, leaving for about an hour late in the afternoon. Downy young were first seen on 21 March. The first daylight food delivery was noted on 1 April. On that day, the adult left the nest about 1400 EST and returned about 1730 with unidentified prey. The young were seen eating and the adult left about 30 minutes later. On 5 April an adult was at the nest with food at 0700 (now EDT), but left soon after. It returned at 19:45 and began to tear up food for the young. We could not tell whether it had brought food this trip or was tearing up prey remains in the nest. On 8 April an owl arrived at the nest around noon, apparently with food, and departed almost immediately. A snake was brought to the nest at 1500 on 13 April. Apparently both adult birds, based on size and coloration, had been seen at the nest; but we are not certain if both participated in daylight food deliveries.

The young owls first left the nest hollow to perch on nearby limbs of the nest tree on 30 April. At 1800 that day the young were back in the nest eating. We had not seen, but could have missed, a food delivery, or the young could have been finishing scraps from a previous meal. One owlet had fallen to the ground on 1 May and was found dead the following afternoon. The other young owl was seen in and out of the nest until 10 May, after which it was not seen again.

Bent (1938:313) states that "these owls are forced to hunt some by day" when rearing young. Apparent mid-afternoon hunting by a Great Horned Owl at Nashville in late December was reported by Parmer (1965). Daylight hunting in late

summer was noted in California (Vaughan 1954). The two latter accounts are not during the nestling period. Thus, diurnal provisioning of the nest seems to be an unusual or little noted activity in this typically nocturnal species.

We thank Wallace Coffey for encouraging us to keep a daily journal of the nesting activities, Ken Dubke for some references, and Rick Knight for help with writing this note.

LITERATURE CITED

Bent, A.C. 1938, Life histories of North American birds of prey, part 2. *U.S. Nat. Mus. Bull* 170.
Parmer, H.E. 1965. A Great Horned Owl hunting in full daylight. *Migrant* 36:17.
Vaughan, T.A. 1954. Diurnal foraging by the Great Horned Owl. *Wilson Bulletin* 66:148.

Accepted 2 November 1993.

The Migrant, 65 (1): 4-5, 1994.

MINUTES OF FALL 1993 TOS BOARD OF DIRECTORS MEETING

The Fall 1993 Symposium of the Tennessee Ornithological Society was held in Cookeville on 22 October 1993. The headquarters and meetings were shared with the Hampton Inn and the adjacent Inn, respectively. Field trips were taken to Standing Stone State Park, city Lake Natural Area, Cane Creek Park, and Burgess Falls Natural Area. The Upper Cumberland Chapter served as host. The minutes of the May 1993 meeting were approved.

President Bob Ford advised there will be a winter meeting on January 29 and 30, tentatively for Paris Landing State Park. It will concern strengthening chapters.

COMMITTEE REPORTS: There were no VICE PRESIDENTIAL or DIRECTORS-AT-LARGE REPORTS, except that Middle Tennessee Vice President Candy Swan reported banding three Barn Owls.

TREASURER'S REPORT: George Payne, Jr. reported for the period of 25 April-22 October, 1993. ASSETS were $103,854.62. INCOME was $3,007.15. EXPENSES were $3,976.44. The projected income for 1994 was $ 14,750, with a projected expense of $14,675. MEMBERSHIP: Paid-up members were 865. Final paid-up members are expected to reach approximately the prior year's level of 918.

CURATOR'S REPORT: Associate Curator Mac McWhirter reported all ***Migrants*** are stored at Rhodes College in Memphis.

MIGRANT EDITOR Wallace Coffey advised a mailing permit has been transferred to Bristol. The March 1992 edition was Wallace's first responsibility. There is a new cover design. The *Tennessee Warbler* has also been mailed from Bristol. Wallace commended Assistant Editor Rick Knight, Beth Hogan, Susan McWhirter and Bob Ford for their assistance. He reported being five editions behind, with plans to make up one edition per year. The June 1992 ***Migrant*** was mailed on 6 October, 1993.

BREEDING BIRD ATLAS COMMITTEE: Chuck Nicholson reported that manuscript is completed and was expected to be sent to the printer by mid-November, 1993.

BIRD RECORDS COMMITTEE: Rick Knight reported the committee plans restructure of five voting members with no geographic restriction, with one or two alternates. He advised of a planned report over a five- or six-year period in ***The Migrant*** to increase communications. A draft will be prepared in a Resolution for approval by TOS at a future meeting.

CONSERVATION/EDUCATION COMMITTEE: Ken Dubke advised the two committees are to be separated, with Candy Swan to be Education Chairman.

Wallace Coffey advised that the 40-acre Austin Springs has been acquired by the Nature Conservancy for management by the Bristol Bird Club. It could be partially threatened by new adjacent housing development.

Ken Dubke advised TWRA (Tennessee Wildlife Resources Agency) has acquired the 750-acre Armstrong Bend for waterfowl, Sandhill Cranes, etc. He will lead a group from Blythes Ferry WMA to Hiwassee Island.

PATCHES AND DECALS COMMITTEE: In absence of Chairman Bill Bridgeforth, Rick Knight advised that new patches and decals were available at the meeting for sale, as described in the Spring 1993 minutes. George Payne moved that Bill

Bridgeforth investigate the cost of producing 30 window decals with Fred Alsop's original multiple color design. The motion was seconded and passed unanimously.

TENNESSEE WARBLER: No report.

PARTNERS IN FLIGHT: President Ford reported bird inventories went well in 1993. The Committee was to meet at 11 a.m. on 24 October 1993, to discuss 1994 sites.

OLD BUSINESS: President Ford recommended tabling most old business items until the winter meeting.

Joe McLaughlin advised an eight-person LEGISLATIVE NONGAME FUNDING COMMITTEE, including himself as the TOS representative, was to meet on 26 October, 1993, for their first meeting for recommending expanded funding for TWRA's Nongame and Endangered Wildlife program.

Rick Knight advised the headquarters for the SPRING 1994 MEETING will be at the Johnson City Holiday Inn on 13-15 May, 1994, with a field trip to Roan Mountain.

President Ford reported that Bill Fowler of Memphis Chapter has agreed to serve as TOS HISTORIAN.

NEW BUSINESS: President Ford reported receiving letters from Louise Crawley of Clarksville Chapter inviting support to establish a BIRD SANCTUARY and to control their reproduction. It was moved by Don Davidson that we reject the offer. The motion passed.

President Ford has received a recommendation from Virginia Reynolds of Memphis Chapter to sell ads to help pay for the *TENNESSEE WARBLER.* Wallace Coffey recommended changing to a nicer format and increasing from four to six issues per year. It should have a nicer front and be designed similar to the *Carolina Newsletter.* Chuck Nicholson advised postage would be increased proportionately. With two additional mailings at $110 per year, this would cost an additional $220 per year. The cost per issue may be less due to shorter length per issue. There are several desktop publishing software programs that can prepare adequate camera-ready copy for printing with minimum cost. Since the Editor was not present, these considerations are to be tabled until the winter meeting. Any additional costs are to be determined to help evaluate the need for ads to defray costs.

Susan McWhirter thanked the group for their contributions to the MEMORIAL FUND FOR BEN COFFEY and advised that a fitting memorial will be decided on and provided.

Candy Swan advised that librarians often like recommendations for their purchases of bird books or for people to leave as memorial books. She recommended TOS comprising a list of such recommended books. President Ford advised this can be discussed at the winter meeting.

At the night sessions, President Ford presented a framed American Birding Association Certificate to Nelson Lyles, plant manager for Monsanto of Columbia, in recognition of the company's outstanding 210-acre Wildlife Observation Area and its enhancement of wildlife habitat on the 5,000-acre Columbia site.

The featured speaker of the night session was John Byrd, a teacher who leads an active nature research program at Clinton High School.

Respectfully submitted,
BOB HATCHER, TOS Secretary

The Migrant, 65 (1): 6-8, 1994.

MINUTES OF WINTER 1994 TOS PLANNING MEETING

The Winter Planning Meeting of the Tennessee Ornithological Society was held at Paris Landing State Park on 29 January, 1994. Informal bird trips were conducted prior to and after the planning session, with 72 species observed, including: 200 Canvasbacks, three White-fronted Geese, nine or 10 Bald Eagles, one LeConte's Sparrow, and one Tree Sparrow.

The purpose of the meeting was to generate ideas for enhancing TOS' rich tradition at both the statewide and chapter levels. The theme, "What TOS Should Be Like On Its 100th Anniversary" in approximately 20 years...

It was agreed that the present TOS structure and purpose be continued. TOS is widely respected for both its recreational and scientific study of birds. ***The Migrant*** provides an extremely valuable bird database for Tennessee that is envied by many states. *The Warbler* provides opportunities for information and idea exchange. TOS volunteers contribute to a wide variety of conservation projects, including seasonal bird counts, hacking projects (eagles, peregrines, Ospreys, and Mississippi Kites), the *Breeding Bird Atlas*, and Partners in Flight. Membership has been remarkably stable at 950-1,000 members for several years. However, we need to address the needs of both the long-term members and those who tend to drop their memberships all too soon.

IDEAS FOR ENHANCEMENT (not necessarily by priority)

MEMBERSHIP:

1. Maintain a diversity of projects to encourage a diversity of interests and birding skills.
2. Provide opportunities for improvement of skills for all levels in a fun and non-intimidating manner.
3. Encourage family participation by providing occasional family socials.
4. Assist newer birders on field trips by calling out full names of birds seen or heard (e.g., say "Red-bellied Woodpecker," not just "Red-bellied"). Be diplomatic by letting others "save face" when they occasionally err (as we all do sometimes).
5. Provide brochures and articles on such subjects as birding tips, selection of binoculars, bird feeding, and landscaping for wildlife.
6. Provide a grid map (as is done by the Memphis Chapter) for ease of locating favorite local birding spots.
7. Provide a statewide three-fold color brochure, with space for individual chapters to include an address and telephone for prospective members. Chapters could order as many as desired at a savings in cost. Have Bill Bridgeforth investigate the cost of such a brochure.
8. Promote and assist Candy Swan's Educational Outreach Committee.
9. Make TOS brochures available at places potential birders may visit: nature centers, state and city parks, ornithology classes, conservation agencies and groups, wildlife observation areas, etc.
10. Serve food after each chapter meeting so that members can get better acquainted and feel more comfortable about further participation.
11. Utilize free publicity concerning announcements of meetings and other activities.

SERVICE TO CHAPTERS AND MEMBERS:

1. Provide public relations through statewide media.
2. Enhance information via ***The Migrant*** and *The Warbler.*
3. Provide a speakers' bureau for chapter programming.
4. Organize interesting field trips.
5. Swap chapter successes and ideas with statewide chapters and members.
6. Provide for a statewide flow of birding and bird study information.
7. Organize statewide bird conservation efforts.
8. Add informal summer and mid-winter statewide meetings primarily for birding, socializing, and idea exchange. Let state officers schedule such meetings, without burdening local chapters for hosting responsibilities.

THE WARBLER NEWSLETTER:

1. Expand the format to include birding tips and contacts for local birding (where to go, what to see, when, and chapter contact). See also MEMBERSHIP items 5-6.
2. Include the business and meeting agendas of upcoming statewide meetings.
3. Send notices to chapters and key members concerning deadlines for articles. Include such deadlines in each newsletter, encourage potential writers to write them on their calendars.
4. The next deadline for articles is 1 March, 1994. They should be sent to: Theresa Irion, *The Warbler* Editor, 1534 Arbor View Court, #203, Memphis, TN 38134.
5. Increase publication of *The Warbler* from two to three times per year. They should reach members in April, August, and December. Deadlines for receipt of articles would normally be the first of respective prior months.
6. Publish articles, or summaries thereof, from chapter newsletters when there is statewide appeal.

FIELD CHECKLISTS:

1. Continue to update the orange bird checklists in cooperation with TWRA. TOS updates according to new A.O.U. nomenclature, changes in abundance, etc., and TWRA prints them.
2. Prepare an expanded checklist of Tennessee birds, showing species, residency, frequency, habitat, etc. Bob Hatcher advised that if TOS could prepare it, TWRA could likely print it, especially after proposed expanded funding.

BIRD CONSERVATION PROJECTS:

1. Continue volunteer participation in Partners-in-Flight bird surveys and monitoring.
2. Continue Christmas and other seasonal bird counts.
3. Standardize the spring and fall counts to make them more comparable for evaluating bird trends over the years.
4. Provide for voluntary certification of members desiring to qualify as a "Master Birder" or similar classification(s). Cornell Laboratory of Ornithology has a new computer CD-ROM software package designed for aiding individualized learning of bird sounds and testing the percentage of statewide bird sounds recognized. Consideration is being given by TWRA and adjacent states for modification of the *Petersen's Eastern Bird Series* to birds found only in the vicinity of Tennessee.
5. Support the Nongame Funding Legislation.

6. Support any feasible efforts for re-establishment of the Red-cockaded Woodpecker in Tennessee, including: search for suitable habitat for transplants, survey for any existing unknown colonies, and controlled monitoring of any populations that can be re-established or located.

OTHER BUSINESS

NONGAME FUNDING LEGISLATION: Tennessee legislation was introduced on 26 January, 1994, for earmarking up to $2.8 million per year for Tennessee's rare and nongame wildlife. Proposed sources of funding would be: a severance fee on sand and gravel taken from public waters (potential of $1.6 million), speeding surcharge of $5.00 for each violation ($1.1 million), and a special voluntary wildlife license plate ($125,000). All TOS members were encouraged to notify their state legislators of their support of this substantial benefit to Tennessee's bird life.

Respectfully submitted,
BOB HATCHER, TOS Secretary

The Migrant, 65 (1): 9-19, 1994.

THE 1993 CHRISTMAS BIRD COUNT

Susan McWhirter

Twenty-three separate counts were conducted across Tennessee for the 1993-1994 Christmas Count season for a total of 147 species observed plus four more species seen in the count week. This is one of the highest species totals. As in the past few years, mild autumn-like temperatures continued into winter and resulted in numerous sightings of lingering migrants; at least 20 species seen could fall into this category with several seen in more than one count area. However, there were also notable sightings of northern irruptive species such as Pine Siskin, Red Crossbill, and Evening Grosbeak. To further confuse matters were the western species: Yellow-headed Blackbird and Western Sandpiper, both seen for only the second time for the state count.

CW indicates species seen the count week (three days prior to, or after, day of actual count); m.ob. indicates multiple observers; sp. indicates species; initials in parentheses indicate observer(s).

INFORMATION ON THE COUNTS

MEMPHIS: 19 Dec.: 0600 -1700; foggy in early AM, turning clear; temp. 40-52°F; 47 observers in 6-9 parties; 118 total party hours (96 on foot, 22 by car); 175 total party miles (75 on foot, 100 in car); 96 species; 17,769 individuals. Details submitted for Nighthawk sp. (MH) and Mute Swan (VR). The swan is possibly an escapee, but is included in this report as some birds apparantly migrate into and out of Tennessee on their own.* Dianne Bean, Storm Bergin, William Bergin, David Blaylock, Bob Browne, Carolyn Bullock, Fred Carney, Jamie Casey, Robert Casey, Lula Coffey, Bob Cooper, John Dempster, Helen Dinkelspiel, Harold Elphingstone, Robert Endres, Jim Ferguson, Bob Ford, Bill Fowler, Murray Gardler, Kate Gooch, Ron Griffin, Van Harris, Martha Heinemann, Ginger Ilardi, Bob Ilardi, Theresa Irion, Pat Keiran, Keith Kunkel, Peggy Kunkel, Jo Levy, Selma Lewis, Mac McWhirter, Susan McWhirter, George Payne, Jeanne Payne, Judy Paynter, Rob Peeples, Don Preston, Dick Preston, Ernie Restivo, Virginia Reynolds, John Spence, Martha Waldron (compiler-1626 Yorkshire Dr., Memphis 38119), Barbara Wilson, Rich Wilson, John Zempel, Linda Zempel.

REELFOOT LAKE: 21 Dec.; 0615-1715; clear; wind SW, 5-15 mph; temp. 28-43°F; 8 observers in 4 parties; 36 total party hours (19 on foot, 17 by car) plus 1 owling; 335 total party miles (15 on foot, 220 by car) plus 5 owling; 108 species; 127,066 individuals. Details submitted on Red-necked Grebe (MG,JW) third CBC record, Greater Scaup (MG, JW), Golden Eagle (MG,JW), Least Sandpiper (MG,JW), tern (sterna sp.) (MG,JW), and Palm Warbler (PH, RI). Ivan Augsburger, Donald Doster, Mark Greene (compiler-447 W. Main, Bradford 38316), David Haggard, Paul Hertzel, Rebecca Irwin, Kathy Krone, Sam Tucker, Eddie Wilbanks, Jeff Wilson.

JACKSON: 18 Dec.; cloudy to partly cloudy; 4 observers in 3 parties; 27 total party hours (10 on foot, 17 by car); 223 total party miles (8 on foot, 215 by car); 68 species; 12,209 individuals. Details submitted on Solitary Vireo (BR). Bob Ford, Mark Greene (compiler-447 W. Main, Bradford 38316), Bill Reinke, Joyce Reinke.

DRESDEN: 27 Dec.; 0700-1400; partly cloudy to cloudy; wind SE, 5-10 mph; temp. 45-55°F; 4 observers in 4 parties plus 3 at feeders; 26 total party hours (8 on foot, 18

by car) plus 3 at feeders; 209 total party miles (9 on foot, 200 by car); 81 species; 12,841 individuals. Details submitted on Rose-breasted Grosbeaks (DoD). Dennis Doster, Donald Doster (compiler-Rt. 1, Dresden 38225), Mark Greene, Paul Hertzel.

SAVANNAH: 28 Dec.; 0300-1730; cloudy with rain; wind NW, 0 -10 mph; temp. 34-40°F; 6 observers in 4 parties; 28.25 total party hours (9.25 on foot, 15.25 by car, 3.75 by boat) plus 3 owling; 211.5 total party miles (7 on foot, 194.5 by car, 10 by boat) plus 43.4 owling; 80 species; 5,046 individuals. Details submitted for Sedge Wren (DS), Blue-gray Gnatcatcher (DS, JG), and Lincoln's Sparrow (DS). Michael Beuerlein, Jeff Garner, Larry Neill, Jane Newell, Ned Piper, Damien Simbeck (compiler-Rt. 1, Box 264, Killen, AL 35645).

CLARKSVILLE: 18 Dec.; 0700-1630; cloudy; temp. 33-50°F; wind variable to 5 mph; 12 observers in 4 parties plus 5 at feeders; 33.03 party hours (17.37 on foot, 15.26 by car), plus 25 at feeders; 203.9 party miles (17.25 on foot, 186.6 by car); 60 species; 4,393 individuals. Joe Allen, Amy Atkins (compiler-4934 Rawlings, Joelton 37080), Phil Crouch, Mike Filson, Deborah Gillis, Steve Hamilton, Annie Heilman, Nancy Hughes, Thurston Lee, Ann Lowe, William Lyle, Bill Milliken, Gloria Milliken, Hallena Minniehan, Barry Podell, Louise Podell, Mary Ann Stephens.

COLUMBIA: 21 Dec.; 0600-1630; clear; wind SW, 5-10 mph; temp. 30-40°F; 5 observers in 3 parties, plus 4 at feeders; 27.5 total party hours (15.5 on foot, 11 by car, 1 by canoe), plus 4 owling and 18 at feeders; 294.5 total party miles (11.5 on foot, 282 by car, 1 by canoe), plus 50 owling; 89 species; 173,781 individuals. The Snow Geese were of the blue form. William Fuqua, William Jernigan, Allyn Lay, Bedford Lochridge, George Mayfield (compiler-999 Sunnyside Dr., Columbia 38401). At feeders: Margaret Greene, Anne Lochridge, Cleo Mayfield, Mitzi Thornell.

NASHVILLE: 27 Dec.; 0700-1700; clear in AM, cloudy in PM; wind SW, 10-15 mph; temp. 38-60°F; 17 observers in 8 parties, plus 6 at feeders; 52 total party hours (22.5 on foot, 29.5 by car); 319 total party miles (22 on foot, 297 by car); 83 species; 15,005 individuals. Details submitted for Surf Scoter (m.ob.), Sandhill Cranes (AT, m.ob), Gray Catbird (HC,CS, BC, BB), Common Yellowthroat (JD), and LeConte's Sparrow (CS, BC,HC). The Snow Goose, Northern Pintail, Sandhill Cranes, Gray Catbird, and LeConte's Sparrow are the first for this count. Bob Brayden, Hazel Cassel, Marie Connors, Richard Connors, Bill Cowart, Jerry Drewry, Ray Fleischer, Gilbert Foster, Edwin Gleaves, Barbara Harris, Bob Hatcher, Joni Langevoort, Scott Lovell, Diana McClusky, Janet Shaw, Chris Sloan, Bob Van Kirk. Compiler-Ann Tarbell, 6033 Sherwood Dr., Nashville 37215.

HICKORY-PRIEST: 1 Jan.; 0500-1730; rain and snow; wind N, 10 mph; temp. 32-42°F; 14 observers in 5 parties; 50 total party hours (22 on foot, 28 by car) plus 3.2 owling; 214 total party miles (15 on foot, 199 by car) plus 40 owling; 86 species; 44,685 individuals. Details submitted for White Pelican (JS,ST, m.ob) 4th CBC record. Linda Anderson, Hazel Cassel, Richard Connors, Jerry Drewry (compiler-727 Greymont Dr., Nashville 37217), Dan Jacobson, Joe McLaughlin, Jan Shaw, Chris Sloan, Joe Stone, Ann Tarbell, Sabin Thompson, Marge Williams, Jeff Wilson, Betty Worden.

MURFREESBORO: 18 Dec.; partly cloudy; temp. 39-53°F; 11 observers in 6 parties; 27 total party hours (4 on foot, 23 by car) plus 6 at feeders; 258 total party miles (5 on foot; 253 by car); 62 species; 7,915 individuals. Bertha Chrietzberg, Jim Chrietzberg, Anne Hettish, Bob Hettish, Richard Hunter, Wilma Hunter (compiler-

3659 Wilson Overall Rd., Murfreesboro 37130), Daniel McCarrol, Ruth McMillan, Elizabeth O'Conner, Bertha Odom, Terry Witt.

WILSON COUNTY: 1 Jan.; rain and sleet; wind 10-15 mph; temp. 35-38°F; 8 observers in 3 parties; 13.75 total party hours by car; 126 total party miles by car plus 4 at feeders for 16 hours; 52 species; 3,348 individuals. Earline Berry, Vernon Berry, Frank Crawford, Kay Norris (compiler-1609 Ponderosa Trail, Lebanon 37087), Larry Norris, Ramona See.

HIGHLAND RIM: 20 Dec.; 0445-1645; low ceiling and steady drizzle; light wind; temp. 38-45°F; 17 observers in 11 parties; 41 total party hours (13 on foot, 28 by car) plus 2 owling; 342 total party miles (14 on foot, 328 by car) plus 24 owling; 82 species; 9,356 individuals. Tom Burleson, Tom Burleson, Jr., John Bruner, Lois Bruner, Van Colebank, Don Davidson (1703 2nd Ave., Manchester 37355), Ken Dubke, Lil Dubke, Jerry Ingles, Ruth Luckado, Jose Martinez, Lee Medley, Nicky Medley, Erma Rogers, Quincy Styke, Grady York, Wilma York.

NICKAJACK LAKE: 31 Dec.; 0500-1730; wind variable, 0-5 mph; temp. 13-43°F; 17 observers in parties; 75.5 total party hours (43 on foot, 32.5 by car) plus 9 owling; 397 total party miles (23 on foot, 374 by car) plus 95 owling; 102 species; 91,952 individuals. Details submitted for White-eyed Vireo (RRo, DV), Solitary Vireo (ST, JS), and Yellow-headed Blackbird (JD). The Yellow-headed Blackbird is the first for the state Christmas Count. Mary Lynn Buttram, Jerry Drewry, John Henderson, Jerry Ingles, Daniel Jacobson, Kathy Jacobson, Albert Jenkins, Lenny Kafka, Johnny Parks (compiler-RR 7, Box 3720, Ringgold, GA 30736-9807), Peter Robinson, Ronald Rogers, Tommie Rogers, Robin Rudd, Joe Stone, Sabin Thompson, David Vogt, Ray Zimmerman.

COOKEVILLE: 21 Dec.; 0400-1715; overcast in AM with snow flurries, partly cloudy in PM; wind NW, 0-15 mph; temp. 24-40°F; 16 observers in 7 parties, plus 7 at feeders; 60.5 party hours (18 on foot, 42.5 by car) plus 3.25 owling and 29 at feeders; 438 party miles (10 on foot, 428 by car) plus 41 owling; 71 species, 195,555 individuals. Frank Bulow, Terry Campbell, Daniel Combs, David Hume, Graham Kash, Daniel Knott, Kay Knott, Julie Lane, Mildred Lassiter, Mozelle Medley, Handley Oswalt, Helen Redding, Ann Sanders, Michael Sanders, Joanne Schaefer, Richard Simmers, Barbara Stedman, Stephen Stedman (compiler-2675 Lakeland Dr., Cookeville 38501), John Stites, Evelyne Stites, Catharine Walden, Winston Walden, Carrel Warren.

CHATTANOOGA: 18 Dec.; 0715-1745; cloudy and foggy with light rain in AM, partly cloudy in PM; wind S, 0 -16 mph; temp. 38-51°F; 28 observers in 11-12 parties; 112.5 total party hours (62 on foot, 50.5 by car) plus 6.5 owling and 1 at feeder; 654.5 total party miles (48 on foot, 606.5 by car) plus 56 owling; 94 species; 18,260 individuals. Details submitted for Merlin, Catbird, Lapland Longspur (R Ru, R Ro), Greater Yellowlegs (DC, DR). Matt Beisel, Jeff Boehm, Phil Booth, Edith Bromley, Mary Lynn Buttram, Kevin Calhoon, David Chaffin, Ken Dubke, Lil Dubke, Edgar Grundset, Bill Haley, Dennis Harris, John Henderson (compiler-7323 Fairington Cl., Hixon 37343), Dan Jacobson, Al Jenkins, Jonnie Sue Lyons, Barbara McMahan, Mike McMahan, Dave Mullican, Alberta Oliver, Tom Patton, Don Ritzhaupt, Peter Robinson, Ron Rogers, Tommie Rogers, Robin Rudd, Carl Swafford, Dan Williams.

NORRIS: 18 DEC.; 0630-1630; overcast with light rain ending by mid-morning; wind NE, 0-10 mph; temp. 38-50°F; 13 observers in 5 parties; 35.5 total party hours

(19 on foot, 16.5 by car) plus 2 owling; 234 total party miles (16 on foot, 218 by car) plus 9 owling; 66 species; 5,965 individuals. John Bartlett, Cindy Barton, John Burkhart, Bob Collier, Andrew Core, Dennis Coskren, Eric Greene, Jerry Hadder, David Hankins, Joel Keebler, George McKinney, Charles Nicholson (compiler-P.O. Box 402, Norris, 37828), Teresa Weronko.

KNOXVILLE: 19 Dec.; 0710-1800; partly cloudy in am, clear in pm; wind variable 0-5 mph; temp. 32-45°F; 24 observers in 15 parties; 101 total party hours (67 on foot, 34 by car) plus 6.75 owling; 472.3 total party miles (36 on foot, 436.3 by car) plus 23.5 owling; 82 species; 2,072,936 individuals. Details submitted for Western Sandpiper (DHo, CWi) and Blue-gray Gnatcatcher (TH). Jane Beintema, Frank Bills, Sharon Bostick, Bob Collier, Marcia Davis, Barbara Finney, Jim Finney, Gerald R. Hadder, Paul Hartigan, David Highbaugh, Audrey Hoff (compiler-4523 McCloud Rd., Knoxville 37938), Tom Howe, David H. Howell, Susan Hoyle, Tony Koella, Bettie Mason, Charles P. Nicholson, Holly Overton, Paul Pardue, Laurie Pearl, Martha Rudolph, Michael G. Ryon, Craig Walker, Corwin Witt.

GREAT SMOKY MOUNTAINS NATIONAL PARK: 2 Jan.; 0630-1800; partly cloudy with fog at low elevations, clear above 4000 ft. with 15" of snow on the ground at high elevations; wind variable 0-5 mph; temp. 38-45°F; 20 observers in 9 parties; 67 total party hours (48.5 on foot, 18.5 by car); 230.5 total party miles (42.5 on foot, 188 by car); 62 species; 3,779 individuals. **The number indicated for Black-capped Chickadees includes Carolina Chickadees as they are in mixed flocks in winter when Black-cappeds descend from the higher elevations. Howard Chitwood, Gwynn Evans, Sadira Evans, Mary French, Maurice Grigsby, Paul Hartigan, Susan Hoyle, Kristine Johnson, Burt Jones, Tony Koella, Agnes Marshall, Mack Marshall, Charles Nicholson, Holly Overton, Truett Patterson, Martha Rudolph, Boyd Sharp, Lillian Smathers, John Upchurch, Craig Walker. Compiler-Don Defoe, GSMNP, Gatlinburg 37738.

GREENEVILLE: 28 Dec.; 0700-1800; rain; wind N, <5 mph; temp. 40-47°F; water partly frozen; 17 observers in 9 parties plus 4 at feeders; 29.75 total party hours (7.5 on foot, 19.25 by car, 3 by boat) plus 35.5 at feeders; 258 total party miles (5 on foot, 250.5 by car, 2.5 by boat); 66 species; 4,174 individuals. Details submitted for Wilson's Warbler (OB,PB), first time the species has been seen during the CBC count week. Orland Britton, Phine Britton, King Gaut, Margaret Gaut, Paulie Hayes, Wes Hayes, Juanita Heckert, Lenard Heckert, Carrie Holt, Jim Holt (compiler-311 Colonial Cl., Greeneville 37743), Richard Knight, Alice Loftin, Don Miller, Douglas Neifert, Patricia Neifert, Richard Nevius, Willie Ruth Nevius, Heather Smoogen, Helen Spees, Royal Spees, Virginia Williams.

BRISTOL: 26 Dec.; 0700-1700; cloudy in AM, clear in PM; wind W, 5-30 mph; temp. 15-43°F; water partly frozen; 20 observers in 6 parties; 55 total party hours (27 on foot, 28 by car) plus 3 owling; 472 total party miles (16 on foot, 466 by car) plus 10 owling; 83 species; 8,081 individuals. Snow Goose, Blue-winged Teal, and Virginia Rail (details submitted, all RK) are new for this count. Wallace Coffey, Jane Fleenor, Pat Galliher, Bert Hale, Ken Hale, Lorainne Hale, Lloyd Jones, Rick Knight, Jeff Larson, Tom Laughlin, Phillip Lewis, Richard Lewis (compiler-407 V.I. Ranch Rd., Bristol 37620), Ron Harrington, Larry McDaniel, Rick Phillips, Karen Quesenberry, Bob Quillen, Steve Tester, Jimmy Watkins, Ramsey White.

KINGSPORT: 31 Dec.; 0530-1745; partly cloudy; temp 20-39°F; wind SE, 5 mph; 16 observers in 7 parties (plus 35 children for Kids Count); 52 total party hours (13 on foot, 28 by car) plus 2 owling and 9 at feeders; 288 total party miles (3 on foot, 275 by car) plus 10 owling; 82 species; 7,508 individuals. Mary Jane Erwin, Danny Garland, Burt Hale, Ron Harrington, Jean Horton, Andy Jones, Wayne Jones, Rick Knight, George and Suzanne Larkins (co-compilers-124 Bloomingdale Pk. A-10, Kingsport 37660), Violet Larkins, Greg McConnell, Bob Quillen, Arthur Smith, Shirley Wayland, Kristen Zimet.

ELIZABETHTON: 19 Dec.; 0545-1800; clear; temp. 27-44°F; wind SW, 0-10 mph; trace of snow above 3000 ft. elevation; 17 observers in 6 parties; 49.75 party hours (24.5 on foot, 25.25 by car) plus 2.25 owling; 325 party miles (11 on foot, 314 by car), plus 15 owling; 71 species (plus 3 in count week); 4,843 individuals. Details submitted for Surf Scoter (BC,RK,GS) and White-eyed Vireo (JN, SN). The Greater Scaup was a male present for some time on Wilbur Lake. Fred Alsop, Wallace Coffey, Brian Cross, Beth Hogan, Danny Huffine, Rick Knight (compiler-804 N. Hills Dr., Johnson City 37604), Larry McDaniel, Tom McNeil, Charles Moore, Jerry Nagel, Sally Nagel, Paul Savarese, Glen Swofford, Gary Wallace, Frank Ward, Jim Wayland, Shirley Wayland.

ROAN MOUNTAIN: 2 Jan.; 0700-1630; cloudy and foggy in AM but clear above 5500 ft. elevation, partly cloudy in PM; temp. 28-40°F; wind SW, 0-15 mph; 0-8 in. snow cover, with drifts; still water frozen; 9 observers in 3 parties; 23 party hours (11 on foot, 12 by car) plus 0.5 owling; 145 party miles (8 on foot, 137 by car) owling at one point; 45 species (plus one in count week); 1,582 individuals. Janet Brown, Tess Cumbie, Danny Huffine, Rick Knight (compiler-804 N. Hills Dr., Johnson City 37604), Geoff Larsen, Tom McNeil, Charles Moore, Jim Wayland, Shirley Wayland.

* Robinson, John C.; *An Annotated Checklist of the Birds of Tennessee*, 1990, The University of Tennessee Press.

THE 1992 NORRIS CHRISTMAS COUNT

The following count for Norris was conducted for the 1992 season but was not received in time for publication. It is presented in the following format so as not to be confused with the 1993 count season.

NORRIS: 20 Dec.; 0645-1600; rain showers in early AM then overcast and changing to partial clearing by PM with temperature dropping; temp. 50-42°F; 8 observers in 4 parties; 27 total party hours (11.5 on foot, 15.5 by car) plus 0.75 owling; 184 total party miles (9 on foot, 175 by car) plus 4 owling; 66 species; 3,101 individuals. Mike Baltz, Sharon Bostick, Bob Collier, Lara Collier, Joel Heebler, Charles Nicholson (compiler-Box 402, Norris, 37828), Rodney Van Gruenigen.

Pied-billed Grebe 1; Great Blue Heron 12; Canada Goose 148; American Black Duck 1; Mallard 65; Gadwall 2; Black Vulture 26; Turkey Vulture 1; Bald Eagle (adult) 1; Sharp-shinned Hawk 3; Cooper's Hawk 1; Red-shouldered Hawk 4; Red-tailed Hawk 9; Am. Kestrel 7; Killdeer 123; Common Snipe 1; Ring-billed Gull 2; Rock Dove 133; Mourning Dove 121; Eastern Screech Owl 1; Great Horned Owl 1; Belted Kingfisher 17; Red-bellied Woodpecker 21; Yellow-bellied Sapsucker 4; Downy Woodpecker 23; Hairy Woodpecker 1; Northern Flicker 20; Pileated Woodpecker 9; Eastern Phoebe 4; Blue Jay 84; American Crow 261; Carolina Chickadee 140; Tufted

Titmouse 86; Red-breasted Nuthatch 2; White-breasted Nuthatch 41; Brown Creeper 3; Carolina Wren 75; Winter Wren 16; Golden-crowned Kinglet 107; Ruby-crowned Kinglet 26; Eastern Bluebird 91; Hermit Thrush 6; American Robin 22; Northern Mockingbird 36; Brown Thrasher 4; Cedar Waxwing 22; Loggerhead Shrike 3; European Starling 366; Yellow-rumped Warbler 28; Pine Warbler 2; Palm Warbler 3; Northern Cardinal 149; Rufous-sided Towhee 29; Field Sparrow 58; Lark Sparrow 3; Song Sparrow 138; Swamp Sparrow 10; White-throated Sparrow 175; White-crowned Sparrow 15; Dark-eyed Junco 88; Red-winged Blackbird 60; Eastern Meadowlark 34; Purple Finch 6; House Finch 51; American Goldfinch 75; House Sparrow 24.

1993 CHRISTMAS BIRD COUNT

	Memp	Reel	Jack	Dres	Sav	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	Nick	Cooke	Chat	Norris	Knox	GSMNP	Gree	King	Eliz	Bris	Roan
Common Loon	*	2	*	*	3	*	*	*	30	*	*	34	17	*	41	*	*	*	*	1	3	1	*
Pied-billed Grebe	15	15	3	1	43	3	5	*	42	5	3	14	205	1	52	*	22	*	1	23	5	19	*
Horned Grebe	*	10	*	*	89	*	*	*	120	*	*	*	2	*	50	*	4	*	*	2	3	1	*
Red-necked Grebe	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
American White Pelican	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Double-crested Cormorant	*	17	*	*	*	*	2	*	*	*	*	*	36	*	6	*	6	*	*	1	*	*	*
Great Blue Heron	62	37	7	8	84	9	44	12	55	1	8	14	73	13	202	15	129	4	22	33	10	26	3
Great Egret	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*
Little Blue Heron	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*
Green-backed Heron	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	*
Blk-crowned Night-Heron	*	*	*	*	*	*	*	*	22	*	*	*	*	*	*	*	3	4	*	5	*	*	*
Snow Goose	*	*	*	*	*	*	2	1	2	*	*	*	*	*	*	*	*	*	4	*	*	2	*
Gr. White-fronted Goose	*	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Canada Goose	81	2176	*	69	*	39	478	220	933	432	10	375	224	119	398	80	1072	*	55	817	75	281	*
Wood Duck	27	17	4	2	12	6	2	*	*	2	*	2	6	20	23	2	6	*	4	*	4	*	*
Green-winged Teal	12	4	*	1	*	*	28	*	*	*	*	*	1	*	4	*	*	*	5	4	*	*	*
American Black Duck	*	142	*	2	2	*	39	15	5	*	*	35	13	*	4	*	*	*	25	8	*	46	10
Mallard	405	108800	22	184	106	82	266	109	466	37	38	210	193	23	215	18	94	100	98	570	129	809	2
Northern Pintail	*	24	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Blue-winged Teal	2	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	1	*
Northern Shoveler	9	29	*	2	CW	*	83	*	1	*	*	*	1	*	*	*	2	*	*	*	*	2	*
Gadwall	34	64	*	*	*	3	131	66	28	*	10	*	609	*	64	*	3	*	89	30	CW	19	*
American Wigeon	1	56	*	*	CW	*	46	15	1	*	*	*	7	*	3	*	*	*	4	*	*	1	*
Canvasback	*	54	*	1	*	*	22	38	*	*	*	9	8	*	*	*	*	*	*	*	*	*	*
Redhead	*	102	*	*	*	*	5	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Ring-necked Duck	20	1825	*	5	*	1	270	110	1	5	*	*	216	*	*	*	*	*	*	2	7	18	*
Greater Scaup	*	1	*	*	*	*	*	*	*	*	*	15	52	*	20	*	*	*	*	2	1	*	*
Lesser Scaup	19	863	*	*	CW	*	13	28	121	*	*	17	14	*	*	*	5	*	*	51	*	50	*
Surf Scoter	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*
Common Goldeneye	*	3	*	*	39	*	*	*	23	*	*	7	19	*	91	*	*	*	*	*	*	*	*

	Memp	Reel	Jack	Dres	Sav	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	Nick	Cooke	Chat	Norris	Knox	GSMNP	Gree	King	Eliz	Bris	Roan
Bufflehead	*	77	*	*	6	*	10	55	5	*	*	55	31	5	50	*	1	*	*	25	77	63	*
Hooded Merganser	4	33	2	*	*	*	13	*	26	6	13	25	48	34	4	*	44	*	*	11	*	162	*
Common Merganser	*	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Red-breasted Merganser	*	10	*	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Ruddy Duck	*	3000	*	2	*	*	17	3	*	*	*	*	79	*	*	*	*	*	*	*	*	*	*
Black Vulture	*	33	2	260	*	83	18	53	43	32	12	*	42	*	109	*	5	*	CW	52	7	4	*
Turkey Vulture	1	3	33	197	CW	21	1	28	1	*	*	4	6	10	216	1	23	*	1	96	2	13	*
Bald Eagle, adult	*	51	*	*	7	*	*	*	*	*	*	2	3	*	1	1	1	*	*	*	*	1	*
Bald Eagle, immature	*	36	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*
Northern Harrier	17	14	7	4	14	3	3	1	*	8	*	*	2	1	1	*	*	*	*	*	*	2	*
Sharp-shinned Hawk	1	2	1	1	*	2	1	3	1	1	*	2	5	1	4	1	1	*	1	2	3	3	*
Cooper's Hawk	*	CW	1	2	*	*	2	2	1	1	1	1	2	2	6	1	5	1	2	3	3	7	*
Accipiter sp.	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	*	*	*	*	*
Red-shouldered Hawk	2	5	7	11	6	2	*	1	2	*	*	6	18	3	14	6	2	*	*	1	*	*	*
Red-tailed Hawk	52	38	27	29	5	14	18	46	13	9	3	17	49	29	30	8	20	4	20	18	10	19	3
Rough-legged Hawk	*	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Golden Eagle	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
American Kestrel	21	44	28	18	4	6	32	28	19	56	15	36	21	92	20	12	16	2	37	32	13	51	2
Merlin	1	*	*	*	*	*	*	*	2	*	*	*	*	*	1	*	*	*	*	1	*	*	*
Ruffed Grouse	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	1	CW	*	CW
Wild Turkey	*	6	*	*	*	*	*	48	4	*	*	3	*	*	*	2	*	*	*	*	1	*	*
Northern Bobwhite	30	CW	3	30	15	17	25	2	*	15	11	*	1	2	5	*	*	*	15	*	1	*	*
Virginia Rail	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	1	*
Sora	*	*	*	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
American Coot	10	11	*	*	198	*	16	*	1023	*	100	11	4935	*	121	*	79	*	*	135	*	47	*
Sandhill Crane	*	*	*	*	*	*	*	34	*	*	*	*	8	*	10	*	*	*	*	*	*	*	*
Killdeer	489	307	183	16	22	12	67	38	53	52	11	41	73	52	139	8	169	12	3	85	7	80	*
Greater Yellowlegs	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*
Western Sandpiper	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*
Least Sandpiper	6	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

	Memp	Reel	Jack	Dres	Sav	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	Nick	Cooke	Chat	Norris	Knox	GSMNP	Gree	King	Eliz	Bris	Roan
Common Snipe	13	1	*	14	3	*	7	*	13	*	*	33	2	6	12	*	4	*	4	*	4	2	*
American Woodcock	2	*	*	*	1	*	*	3	2	*	*	*	7	1	2	CW	*	*	*	*	*	*	*
Bonaparte's Gull	1	125	*	*	1	*	*	*	3103	*	*	17	8	*	200	*	61	*	*	*	*	3	*
Ring-billed Gull	201	955	*	*	170	1	*	19	1972	500	43	320	979	*	960	4	586	*	*	289	10	237	*
Herring Gull	*	13	*	*	4	*	2	*	12	1	*	*	25	*	5	*	6	*	*	11	*	7	*
Rock Dove	1005	27	651	42	4	163	53	156	280	275	10	38	307	172	1595	265	452	49	418	250	255	276	43
Mourning Dove	922	142	1128	97	113	97	38	198	259	112	34	155	137	410	691	204	343	99	295	331	227	391	7
Common Barn Owl	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	*	*
Eastern Screech Owl	*	1	*	*	2	*	10	*	3	*	*	3	16	8	3	1	4	10	2	5	13	7	2
Great Horned Owl	2	3	2	2	3	*	6	1	3	*	*	4	9	3	5	3	5	1	CW	2	3	4	*
Barred Owl	1	4	3	4	4	*	1	2	2	*	*	*	1	1	*	1	*	1	*	*	*	*	*
Short-eared Owl	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Nighthawk sp.	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Hummingbird sp.	CW	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Belted Kingfisher	26	8	7	11	17	8	14	21	28	6	1	5	20	11	37	11	40	18	22	17	19	18	2
Red-headed Woodpecker	7	9	5	4	2	5	5	2	*	1	1	3	7	7	2	*	*	*	2	4	*	*	*
Red-bellied Woodpecker	101	103	21	57	32	40	30	69	17	5	1	13	57	50	67	32	45	5	14	31	17	21	2
Yellow-bellied Sapsucker	21	12	4	6	4	16	10	16	14	8	2	3	27	6	24	11	24	8	1	3	11	12	3
Downy Woodpecker	67	39	14	35	11	20	25	47	15	12	3	11	40	46	50	28	44	20	11	38	33	25	11
Hairy Woodpecker	14	5	3	4	CW	4	4	7	1	2	2	5	6	5	15	7	9	16	2	2	10	1	2
Northern Flicker	107	67	18	66	20	18	12	35	30	13	5	9	51	31	106	38	53	11	14	47	25	25	2
Pileated Woodpecker	15	7	9	5	3	3	8	11	3	1	*	6	25	21	17	22	15	23	12	9	17	24	7
Eastern Phoebe	3	4	3	7	5	*	3	1	*	*	*	1	12	9	18	5	10	8	1	8	11	15	1
Horned Lark	237	119	38	25	70	*	*	*	2	*	*	180	3	*	*	*	*	*	*	*	*	2	*
Blue Jay	318	63	40	154	46	94	35	147	102	38	27	110	124	284	185	178	195	127	123	198	89	152	36
American Crow	87	1182	1363	170	105	222	63	613	199	77	65	3800	377	882	674	781	652	511	342	560	611	1091	283
Fish Crow	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Common Raven	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3	*	*	10	1	11
Black-capped Chickadee	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	240**	*	5	*	*	*
Carolina Chickadee	188	191	93	81	49	73	90	345	82	33	10	17	159	107	458	202	338	**	52	135	89	131	63

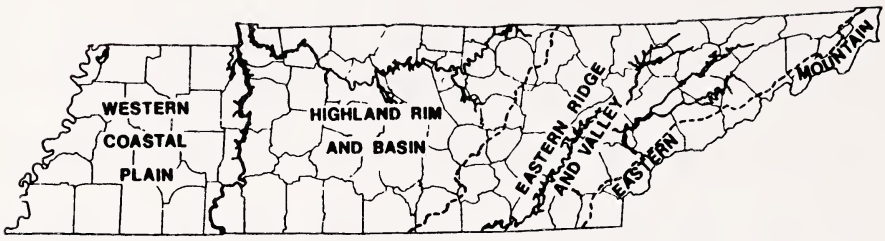
	Memp	Reel	Jack	Dres	Sav	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	Nick	Cooke	Chat	Norris	Knox	GSMNP	Gree	King	Eliz	Bris	Roan
Tufted Titmouse	108	103	57	63	21	73	87	182	23	23	11	27	99	102	224	126	120	81	20	99	63	74	54
Red-breasted Nuthatch	22	1	3	4	3	1	2	2	2	1	*	1	17	23	2	36	15	20	*	*	14	4	63
White-breasted Nuthatch	1	39	6	14	7	15	7	43	2	*	2	3	36	43	59	40	27	87	2	19	19	42	15
Brown-headed Nuthatch	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21	*	*	*	*	*	*	*	*
Brown Creeper	5	10	2	2	3	2	2	7	5	*	*	1	8	2	5	8	3	1	1	2	5	4	*
Bewick's Wren	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*
Carolina Wren	179	106	20	74	46	57	49	114	40	13	10	18	71	61	169	67	*	47	29	73	62	51	13
House Wren	4	2	*	1	*	*	*	*	*	1	*	*	2	*	1	*	*	*	*	1	*	*	*
Winter Wren	10	10	4	12	1	1	1	2	1	1	1	2	15	4	6	10	8	8	1	1	13	9	1
Sedge Wren	2	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Marsh Wren	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Golden-crowned Kinglet	57	19	17	11	1	8	1	8	5	20	1	7	57	37	15	52	40	89	4	18	39	18	40
Ruby-crowned Kinglet	84	29	10	2	11	*	4	5	6	1	1	5	65	6	62	14	15	8	3	2	3	5	*
Blue-gray Gnatcatcher	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*
Eastern Bluebird	57	68	102	59	31	81	48	176	59	48	82	53	111	200	188	150	143	11	47	40	60	54	32
Hermit Thrush	10	14	3	2	9	*	10	21	*	*	*	1	32	7	29	8	16	6	1	3	13	15	1
American Robin	516	110	134	114	137	359	50000	7724	8453	861	469	19	148	65	706	214	573	94	15	23	144	13	44
Gray Catbird	*	*	*	*	*	*	*	1	*	*	*	1	*	*	1	*	*	*	*	*	*	*	*	*
Northern Mockingbird	148	35	35	20	15	72	43	131	52	49	27	23	48	74	103	42	137	5	27	73	28	68	5
Brown Thrasher	15	5	7	3	1	1		3	11	*	3	7	14	5	11	3	3	2	1	*	*	1	*
American Pipit	11	4	*	*	20	*	*	*	*	*	*	*	2	*	*	*	*	*	*	1	*	*	*
Cedar Waxwing	40	4	32	4	534	42	68	262	1052	65	15	150	194	10	683	266	373	164	340	37	34	46	47
Loggerhead Shrike	23	16	6	3	CW	4	9	7	1	9	*	4	4	2	1	1	4	*	4	2	*	1	*
European Starling	2994	1122	423	1158	59	1726	100000	1194	13273	2500	1686	1900	3705	150000	5925	17532	004966	372	1113	1931	1183	1607	213
Solitary Vireo	1	*	1	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*
White-eyed Vireo	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	CW	*	*
Yellow-rumped Warbler	89	134	31	20	70	7	38	44	50	16	1	14	142	21	106	129	203	6	13	77	3	26	*
Pine Warbler	2	*	*	*	2	*	1	*	*	*	*	*	8	*	15	5	*	1	*	*	*	*	*
Palm Warbler	1	1	*	*	*	*	1	*	*	*	*	*	*	*	*	6	*	*	*	*	*	*	*
Common Yellowthroat	1	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Wilson's Warbler	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	CW	*	*	*	*
Northern Cardinal	467	180	165	231	248	165	91	274	167	60	69	78	189	299	328	145	225	143	62	171	114	210	34
Rose-breasted Grosbeak	*	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

	Memp	Reel	Jack	Dres	Sav	Clark	Colu	Nash	Hick-Pr	Murf	Wils	High	Nick	Cooke	Chat	Norris	Knox	GSMNP	Gree	King	Eliz	Bris	Roan
Rufous-sided Towhee	35	1	8	27	20	32	28	61	54	6	4	17	82	62	87	40	58	35	8	17	15	29	6
American Tree Sparrow	*	5	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*
Chipping Sparrow	3	2	10	5	*	*	*	*	*	*	7	1	30	*	9	*	9	*	*	*	5	2	*
Field Sparrow	280	40	213	126	167	22	93	89	128	22	7	37	101	102	74	39	79	58	20	42	57	60	3
Vesper Sparrow	2	*	*	1	12	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*
Savannah Sparrow	172	45	6	2	129	*	58	6	2	*	*	13	34	5	6	4	6	2	*	2	*	6	*
LeConte's Sparrow	1	*	*	*	3	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Fox Sparrow	15	3	*	2	1	*	*	7	7	*	*	2	9	3	4	2	2	2	2	*	1	2	*
Song Sparrow	289	164	102	144	426	15	64	99	900	25	4	34	325	341	375	83	271	187	55	160	144	196	67
Lincoln's Sparrow	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Swamp Sparrow	105	70	73	40	388	2	34	15	111	3	*	1	39	28	18	2	10	9	1	4	*	*	*
White-throated Sparrow	649	236	78	215	236	43	87	273	194	34	4	51	416	165	456	160	392	177	123	174	250	212	55
White-crowned Sparrow	113	8	13	25	*	23	17	11	18	3	*	4	8	4	6	4	5	1	26	10	22	117	*
Sparrow sp.	*	*	*	*	*	*	*	*	*	43	*	*	*	*	*	*	*	*	*	*	*	*	*
Dark-eyed Junco	393	118	184	116	195	157	40	197	62	103	73	23	99	170	179	77	97	82	15	73	252	508	190
Lapland Longspur	1	2	*	*	*	*	*	*	*	*	*	*	*	*	2	*	*	*	*	*	*	*	*
Red-winged Blackbird	3793	874	190	512	311	1	758	100	1267	15	*	210	15903	6	57	6	29255	*	56	76	1	*	*
Eastern Meadowlark	271	80	84	102	143	57	42	29	25	17	4	130	188	131	93	*	71	3	88	60	20	55	*
Western Meadowlark	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Yellow-headed Blackbird	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*
Rusty Blackbird	161	1	*	2	*	*	2	*	18	10	*	*	317	2	*	*	*	*	*	*	1	*	*
Brewer's Blackbird	*	*	*	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Common Grackle	832	1503	6000	7795	202	9	20000	509	9083	2000	345	570	58801	40000	100	*	30015	*	80	21	*	*	*
Brown-headed Cowbird	884	22	76	70	*	1	253	300	95	3	126	20	529	117	6	1	18	*	*	13	1	2	*
Blackbird sp.	*	*	*	*	*	44	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Purple Finch	1	*	*	2	3	*	19	10	2	*	*	5	21	9	7	13	10	28	*	27	*	12	1
House Finch	91	102	302	65	51	225	223	366	238	174	124	31	144	509	683	171	288	16	267	114	232	237	20
Red Crossbill	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	*	*	*	*	2
Pine Siskin	*	1	2	*	1	*	*	4	*	*	*	*	91	*	23	2	36	184	*	*	1	*	52
American Goldfinch	78	77	99	23	177	53	42	94	45	41	29	18	361	247	326	55	662	143	82	109	164	126	84
Evening Grosbeak	*	CW	*	*	*	*	*	*	*	*	*	*	4	*	*	*	*	416	*	*	1	13	2
House Sparrow	94	390	105	125	28	71	32	18	46	*	4	101	62	212	57	11	48	4	27	74	63	79	25
Total Species	96	108	68	81	80	60	89	83	86	62	52	82	102	71	94	66	82	62	66	82	71	83	45

The Migrant, 65 (1): 20-27, 1994.

THE SEASON

Richard L. Knight, Editor



FALL MIGRATION: 1 AUGUST-30 NOVEMBER 1993

WESTERN COASTAL PLAIN REGION: From the beginning of the fall migration, early risers made daily checks on their favorite birding areas. Whether it was the flood waters of the mid-west that reduced food supply; a more southerly jet stream bringing arctic temperatures further south; or southern hospitality, birders enjoyed the variety of fall visitors. For example, sightings of an Eared Grebe, a White-winged Scoter, a Long-billed Curlew, both Hudsonian and Marbled Godwits, Vermilion and Scissor-tailed Flycatchers, and a Snow Bunting highlighted the season. There were two sightings of a Merlin and several Peregrines were seen during the fall migration. American White Pelicans, phalaropes, a Red Knot, American Avocets and the usual shorebirds were attracted to the flooded fields and shallow lakes. Terns and gulls were observed around larger and deeper lakes. Greater numbers of waterfowl were reported by wildlife personnel who attributed the higher numbers to the lack of food in the north. The EARTH Complex (TEC) hosted its share of shorebirds. For specific daily records or obervers contact the regional compiler. Forty-two obervers spent 80 days in the field in nine counties.

Loon-Ibis: **Common Loon**: 26 Nov (19) Big Sandy (BLG, MAG). **Pied-billed Grebe**: 1 Aug-EOP (1/6) TVA pond (CHB, DoM, VBR, MGW); 6 Sep (1) Shelby Farms (JBP, GRP). **Horned Grebe**: 10 Nov (1) Dyer Co. (WGC); 30 Nov (1) Rlft L (WGC); 26 Nov (3) Big Sandy (BLG, MAG). **Eared Grebe**: 13-17 Oct (1) Shelby Farms (MLG, CHB, m.ob.), 2nd Shelby Co. record. **American White Pelican**: 26 Sep (2) Germantown (MLG); 26 Sep/7 Nov (11/25) Lake Co. & 28 Oct/16 Nov (164) Dyer Co. (WGC). **Double-crested Cormorant**: 6 Nov (410) Champy's Pocket, Lake Co. (WCG); 7 Nov (115) Dyer Co. (WGC). **Least Bittern**: 1 Aug-11 Sep (1) TVA pond (VBR, CHB, DoM, MLG, MGW). **Great Egret**: 21/26 Sep (154/173+) Lake Co. (WGC). **Snowy Egret**: 14 Oct (6) Lake Co. (WGC), late west TN. **Tri-colored Heron**: 8 Aug (1) TEC (WRP, RWP). **Cattle Egret**: 26 Nov (1) Lauderdale WMA (WGC). **Black-crowned Night-Heron**: 10 Aug (1 ad) Hwy 79 & Grt Rvr Rd, Lake Co. (WGC). ***Plegadis sp.***: 5/8/10 Oct (1) Lake Co. (WCG).

Duck-Rail: **Green-winged Teal**: 5 Oct (110) Lake Co. (WGC). **Northern Pintail**: 5 Sep (1) TEC (CHB, DoM, VBR); 5 Oct (60) Lake Co. (WGC). **Blue-winged Teal**: 10 Sep (750) Lake Co. (WGC). **Northern Shoveler**: 2 Sep (1) TEC (WRP). **Lesser Scaup**: 22 Aug (1) Shelby Farms (VBR). **White-winged Scoter**: 7 Nov (1 f) Dyer Co. (WGC), first for Dyer Co. **Turkey Vulture**: 10 Nov (1) Shelby Farms (SNM); 21 Nov (1) Kndy Pk (MTOS); 23 Nov (6) Shelby Farms (WBF). **Osprey**: 28 Aug (1) TEC (MTOS); 29 Aug (1) Mustin Bottoms (JEW, MGW); 7/10 Sep (1) Dyer Co. (WGC); 25 Sep (1)

Ft Pillow S P (MTOS); 27 Sep (1) TEC (CHB); 13/14 Oct (1) Shelby Farms (MLG, Kevin McKown); 15 Oct (1) TEC (MLG, MGW). **Mississippi Kite**: 3 Oct (1) MLK Park (Alvin Yancey). **Bald Eagle**: 28 Aug (1 im) Decatur Co. (CHB); 11 Sep (1 ad) TEC (RTC, JDC); 9 Oct-EOP (2 ad-5 im) Lake Co. (WGC). **Northern Harrier**: 29 Aug (1 im) Dyer Co. (WGC). **Sharp-shinned Hawk**: 9 Oct (1) Big Hill Pond S P, McNairy Co. (MTOS); 29 Oct-13 Nov (1) Shelby Farms (MTOS, m.ob.); 13 Nov (1) TEC; 26 Nov (1) Big Sandy; 27 Nov (1) Weakley Co. (BLG, MAG); 28 Nov (1) Shelby Co. (MLG). **Cooper's Hawk**: 30 Aug-13 Nov (1 im) Shelby Farms (MLG, VBR, SNM, JF, m.ob); 12 Sep (1) Decatur Co. (CHB); 15 Nov (1 im) Rlft L (MAG). **Merlin**: 26 Sep (1) Lake Co. (WGC); 3 Nov (1 m) Gibson Co. (MAG). **Peregrine Falcon**: 22 Aug (1) TEC (DLW, m.ob.); 6 Sep (2) Shelby Farms (JBP, GRP); 7 Sep (1 ad, 1 im) TEC (MLG); 29 Sep (1 im) Pace Point, Henry Co. (TJW); 29 Sep (1 juv) rescued, treated, 4 Oct banded and released (OKM, JRW); 3 Nov-EOP (1 im, 2 ad) Shelby Farms (TMI, MLG, Keith Kunkel, MGW); 28 Nov (1 im) TEC (DoM, VBR, MGW), banded, possibly a young bird hacked in downtown Memphis in summer of 1993. **Sora**: 11 Sep (1) TEC (RTC, JDC). **Virginia Rail**: 4 Nov (1) Memphis (Dave Vance); 17 Nov (1) Memphis (OKM, Charles Alexander), late west TN, photo.

Shorebirds: Observers for the TEC are as follows: CHB, MAG, MLG, RDH, SSL, SNM, DoM, GRP, JBP, RWP, WRP, VBR, BHW, RLW & MGW. **Black-bellied Plover**: 16 Sep (1) Lake Co. (WGC); 8-15 Aug (3), 26 Sep/23 Oct (1) TEC. **American Golden-Plover**: 1 Aug/7 Nov (5 max) Lake Co. (WGC); 14 Aug-23 Oct (2) TEC. **Semipalmated Plover**: 1 Aug-16 Sep (7) Hwy 103 & Grt Rvr Rd, Dyer Co. (WGC); 1/16 Sep (5) Lake Co. (WGC); 1 Aug-15 Oct (45 max) TEC. **Black-necked Stilt**: 1 Aug-1 Sep (42+) TEC; 2-9 Sep (5 max) Phillipy (WGC). **American Avocet**: 29 Aug-2 Sep/10 Oct (7/1) TEC; 8 Sep-14 Oct (3 max) Lake Co. (WGC); 20/21 Nov (1) Shelby Farms (CWM), late west TN. **Greater Yellowlegs**: 15 Nov (1) Lake Co. (WGC). **Lesser Yellowlegs**: 3 Oct (223 max) TEC. **Long-billed Curlew**: 27 Sep (1) TEC (*RTC), pending TBRC, second state record. **Hudsonian Godwit**: 4 Aug (1) Levee Rd, Lake Co. (WGC). **Marbled Godwit**: 4 Aug (1) Levee Rd., Lake Co. (WGB); 7 Aug (1) Shelby Farms (MLG, m.ob.). **Ruddy Turnstone**: 8/12 Sep (1) Lake Co. (WGB); 28 Aug-11 Sep (2) TEC. **Red Knot**: 10 Aug & 8/12 Sep (1) Phillipy (WGC). **Sanderling**: 1/26 Sep (4 max) Lake Co. (WGC). **Western Sandpiper**: 4 Aug-Sep (1) Dyer Co. (WGC); 14 Aug/21 Aug (100+) TEC (MLG); 8 Oct (3) Lake Co. (MAG). **Least Sandpiper**: 7 Oct (2050) TEC. **White-rumped Sandpiper**: 5/10 Aug (1) Hwy 79 W, Lake Co. (WGC); 17 Aug/23 Oct (4 max) TEC. **Baird's Sandpiper**: 27 Aug-21 Sep (5 max) Lake Co. (WGC); 8 Aug-23 Oct (4 max) TEC. **Pectoral Sandpiper**: 4 Sep (1000) TEC. **Dunlin**: 17 Aug (3)-3/23 Oct (17 max) TEC; 14 Oct-13 Nov (2/1) Shelby Farms (VBR, MGW); 14 Oct-15 Nov (14 max) Lake Co. (WGC). **Stilt Sandpiper**: 1 Aug-30 Sep (74 max) Phillipy (WGC); 29 Aug-15 Oct (110) TEC. **Buff-breasted Sandpiper**: 8 Aug-3 Oct (4 max) TEC. **Long-billed Dowitcher**: 11/26 Sep (1) TEC. ***Dowitcher sp.***: 1 Aug (2) Dyer Co. & 2-16 Sep (11 max) Lake Co. (WGC); 8 Aug/23 Oct (2) TEC. **Common Snipe**: 10/11 Nov (121/89) Lake Co. (WGC). **American Woodcock**: 1/2 Aug (1) Germantown (John Jernigan), feeding on wet lawn; 9 Oct (2) Big Hill Pond S P, McNairy Co. (MTOS). **Wilson's Phalarope**: 14-30 Aug (1) TEC; 1/26 Sep (2) Phillipy (WGC). **Red-necked Phalarope**: 5/9-10 Aug (1) Dyer Co. (WGC), early west TN; 14-21 Aug (6 max) TEC (DoM, RDH, VBR, MGW, CHB, BHW, m.ob.), first for Shelby Co.; 22 Sep (1) TEC (WRP); 9/21/26 Sep (1/2) Lake Co. (WGC).

Gull-Hummingbird: **Bonaparte's Gull**: 24 Oct (1 im) Lake Co (WGC); 31 Oct (2) Shelby Farms (MLG); 19 Nov (38) Dyer Co. & 30 Nov (29) Samburg (WGC). **Laugh-**

ing Gull: 12 Sep (1) TEC (RTC, JDC). **Franklin's Gull**: 29 Sep (1 ad) Pace Point, Henry Co. (TJW). **Caspian Tern**: 8 Aug (1) TEC; 13 Aug (2) Grt Rv Rd, south of Hwy 104W, Dyer Co. (WGC); 14/15 Aug (5) Levee Rd., Lake Co. (WGC); 14 Sep (4) Shelby Farms (VBR). **Common Tern**: 7 Sep (1) Lake Co. (WGC). **Forster's Tern**: 14 Oct (1 im) Shelby Farms (CHB, MLG, JBP, GRP, WRP). **Black Tern**: 7/16 Sep (1/4) Lake Co. (WGC). **Common Ground-Dove**: 22 Sep (2) TEC (WRP); 23 Oct (1) e Shelby Co. (MLG). **Barn Owl**: 20 Nov-EOP (1) Shelby Farms (TMI). **Short-eared Owl**: 15-20 Nov (2) Shelby Farms (SNM, MGW, JEW, TMI); 20 Nov (1) Rlft L S P (OKM). **Common Nighthawk**: 26 Aug (25/25) two different areas in nw Shelby Co. (Keith Kunkel); 27 Aug (10) Madison Co. & (60) Henderson Co. (CHB); 31 Aug (53) e Shelby Co. (MLG); 1 Sep (40) midtown Memphis (Betsy Shaver); 5 Sep (50+) Trenton, Gibson Co. (MAG); 14 Sep (35) midtown Memphis (Mary Hutchison, fide Jo Levy); 24 Sep (100+) five to six flocks, ne Memphis (MLG); 18 Oct (10+) Madison Co. (AlH & HeH). **Ruby-throated Hummingbird**: 15 Oct-EOP (1) Collierville, Shelby Co. (VBR, DoM), late state.

Flycatcher-Vireo: **Willow Flycatcher:** 7 Sep (1) TEC (MLG). **Vermilion Flycatcher:** 17 Oct (1 m) Shelby Farms (*CHB), second Shelby Co. **Scissor-tailed Flycatcher:** 1 Nov (1 m) Memphis (GLI). **Tree Swallow:** 24 Oct (1000+) Lake Co. (WGC). **Fish Crow:** 23/27/28 Sep (13/71/65) Memphis Zoo (OKM). **Red-breasted Nuthatch:** 17 Sep-EOP (8 max) Germantown (MLG); 6 Oct (3) Millington, Shelby Co. (Dorothy Preston, DDP); 9 Oct (2) Big Hill Pond, McNairy Co. (MTOS); reported at many feeders and on most field trips. **Bewick's Wren:** 6 -13 Nov (1) Shelby Farms (VBR, MGW, SNM, MTOS). **House Wren:** 4 Oct (1) Shelby Farms (WRP); 16 Oct-13 Nov (3 different locations) Shelby Farms (JF, MLG, SNM, VBR, MGW, MTOS). **Sedge Wren:** 29 Sep (25+) Big Sandy (TJW). **Marsh Wren:** 29 Sep (15+) Big Sandy (TJW). **Veery:** 13 Sep (1) Shelby Farms (VBR). **Swainson's Thrush:** 6 Oct (1) Madison Co. (AHH, HSH). **American Pipit:** 14/15 Oct-6 Nov (1) Shelby Farms (WRP, MLG, VBR, MGW). **Solitary Vireo:** 13 Oct (1) Fort Pillow S P (CHB, SSL, BHW); 20/21 Nov (1) Kndy Pk (BNG, RRS, CHB). **Philadelphia Vireo:** 25 Sep (4) Fort Pillow S P (MTOS).

Warbler-Grosbeak: There seemed to be no defined peak in the warbler migration. Numbers of individuals and species were down considerably in comparison with past years. **Worm-eating Warbler:** 18 Oct (1) Madison Co. (ALH & HEH), late west TN. **Grasshopper Sparrow:** 13 Nov (1) TEC (MAG, Gene Knight, JRW). **LeConte's Sparrow:** 6 -13 Nov (1-3) Shelby Farms (JF, MTOS). **Vesper Sparrow:** 25 Nov (10) Shelby Farms, (MGW). **Song Sparrow:** 8 Aug-EOP (2) TEC (MLG, CHB, VBR, RWP, WRP, MGW), two different areas. **Lincoln's Sparrow:** 29 Sep (3) Big Sandy (TJW); 10/24 Oct (1) Shelby Farms (CHB, MLG). **Lapland Longspur:** 21-25 Nov (3) Shelby Farms (MLG, MGW), 21 Nov (30+) Halls, old airport, Lauderdale Co. (WGC, MAG). **Smith's Longspur:** 6 Nov-EOP (2) Shelby Farms (JF, MLG, MGW); 20 Nov (1) Halls, old airport, Lauderdale Co. (WGC, MAG). **Snow Bunting:** 20-21 Nov (1 f) Halls, old airport, Lauderdale Co. (JRW, WGC, m.o.b), second west TN. **Western Meadowlark:** 13-27 Nov (2) Shelby Farms (MLG, MGW). **Bobolink:** 26 Sep (5) Lake Co. (WGC). Purple Finch: 1 Nov-EOP (2) Germantown (MLG). **Evening Grosbeak:** 26-27 Nov (3) Dyer Co. (WGC) at feeder.

Locations: See page 65.

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HIGHLAND RIM AND BASIN REGION - *Loon-Falcon:* **Common Loon:** 31 Oct (38) Woods Res. (SJS), max. **American White Pelican:** 6-17 Oct (15) Duck River (TJW, m.ob.); 30 Nov (1) Clarksville (David Snyder, m.ob.). **Double-crested Cormorant:** Oct-Nov (2000) Duck River (GAF, TJW, m.ob.), max; 13 Oct (300) Jackson Co (BHS, SJS). **Great Egret:** 7 Aug (5) Coffee Co (DLD); 1 Sep (4) Gal.Stm.P. (TJW); 17 Sep (1) Franklin Co (Lois & JJ Bruner). **Snowy Egret:** 12 Aug-10 Sep (1) Burgess Falls (SJS), third Putnam Co record; 25 Aug-1 Sep (2) Greens Pond (TJW). **Little Blue Heron:** 23-31 Aug (1) Burgess Falls (SJS); 11 Sep (1) Gal.Stm.P. (NTOS). **Cattle Egret:** 24 Aug (200) Davidson Co (MLM); 29 Aug (18) Shelby Bottom (MSH). **Yellow-crowned Night-Heron:** 26 Sep (1) Burgess Falls (SJS). **White Ibis:** 19 Aug (1 im) Old Hick. L. (Dick Newton). **Snow Goose:** 17 Oct (20 blues) Duck River (GAF); 22 Nov (16) Old Hick. L. (RLW). **Blue-winged Teal:** 8 Aug (6) Gal.Stm.P. (TRI-CITIES, FJM, CAS), ers. **Redhead:** 19 Nov (21) Putnam Co (SJS), max. **Ring-necked Duck:** 30 Oct (300) Mon. Ponds (NTOS). **Surf Scoter:** 25 Nov (1 f) Radnor L. (TJW, m.ob.), seen to end of period. **Black Scoter:** 20 Nov (1 f) Woods Res. (DLD, m.ob.). **Ruddy Duck:** 30 Oct (6) Mon. Ponds (NTOS). **Bald Eagle:** 28 Oct (1) Tims Ford Res., Franklin Co & (1) Normandy Res., Coffee Co (RLW); 25 Nov (3) Woods Res. (DLD, Jim & Nat Peters). **Broad-winged Hawk:** 18 Sep (290) Putnam Co (BHS, SJS), max. **Merlin:** 17 Oct (1) Duck River (fide TJW). **Peregrine Falcon:** 29 Sep (1) Pace Point (TJW).

Turkey-Hummingbird: **Wild Turkey:** 29 Sep (7) Big Sandy (TJW). **Virginia Rail:** 11 Sep (5) Gal.Stm.P. (NTOS). **Sora:** 6 Oct (3) Big Sandy (TJW). **American Coot:** 25 Aug-1 Sep (2) Gal.Stm.P. (TJW). **Sandhill Crane:** 2 Oct (2) Warren Co (SNM); 20 Nov (22) Warren Co (N.P. McWhirter). **Western Sandpiper:** 8 Aug (1) Greens Pond (TJW); 8 Aug (1) Gal.Stm.P. (TC, FJM, CAS). **Baird's Sandpiper:** 15 Sep (1) Greens Pond (TJW). **Dunlin:** 26 Nov (5) Woods Res. (DLD). **Stilt Sandpiper:** 5-15 Sep (1) Greens Pond (TJW). **Wilson's Phalarope:** 1-5 Sep (1 juv plumage) Greens Pond (TJW). **Franklin's Gull:** 29 Sep (1) Pace Point (TJW). **Caspian Tern:** 25 Aug (1), 1 Sep (7) & 5 Sep (4) Gal.Stm.P. (TJW). **Black Tern:** 15 Sep (1) Old Hick. L. (TJW). **Barn Owl:** 17 Aug (2 ad, 4 yg) Overton Co (Larry Misenheimer); 4 Sep-24 Nov (1-2) Warren Co (SNM). **Common Nighthawk:** 3 Sep (108) Warren Co (SNM); 20 Sep (2000) Davidson Co (fide TJW). **Rufous Hummingbird:** Nov (2) Lebanon, (1) Nashville, (1) Bedford Co — 3 banded, 1 photographed, all present at feeders (fide TJW).

Flycatcher-Grosbeak: **Great Crested Flycatcher:** 26 Oct (1) Warren Co (Mac McWhirter), very late. **Eastern Kingbird:** 1 Aug (50) Gal.Stm.P. (TC, FJM, CAS). **Tree Swallow:** 31 Oct (15) Woods Res. (SJS). **Barn Swallow:** 1-8 Oct (500+) Gal.Stm.P. (TC, FJM, CAS). **Red-breasted Nuthatch:** an invasion from early Oct thru end of season; 9 Oct (30) Craggie Hope, Cheatham Co (fide TJW), max. **Bewick's Wren:** 25 Sep (3) Wilson Co Fall Count (fide TJW). **Marsh Wren:** 29 Sep (15) Big Sandy (TJW), unusual concentration. **Sedge Wren:** 29 Sep (20) Big Sandy (TJW), unusual concentration. **Gray Catbird:** 27 Nov (1) Woods Res. (DLD). **Golden-winged Warbler:** 19-25 Sep (1-3) Radnor L. (Magnus Persmark). **Orange-crowned Warbler:** 6 Oct (1) Big Sandy (TJW). **Prairie Warbler:** 13 Oct (1) Jackson Co (BHS, SJS), lrs. **Worm-eating Warbler:** 3 Oct (1) Shelby Bottom (MSH). **Swainson's Warbler:** 3 Oct (1) Shelby Bottom (MSH). **Connecticut Warbler:** 2 Oct (1) Williamson Co (ATT). **Canada Warbler:** 25 Aug (1) DeKalb Co (SJS). **White-crowned Sparrow:** 30 Oct (2) Mon. Ponds (NTOS). **Bobolink:** 9 Oct (3) Duck River (TJW). **Red-winged Blackbird:** Aug-

Sep (5000) Gal.Stm.P. (FJM, CAS). **Purple Finch:** 11 Nov (1) Ruth. Co (TJW). **Pine Siskin:** 6 Nov (5) Putnam Co (BHS). **Evening Grosbeak:** 2 Oct (1) Williamson Co (ATT, Portia MacMillan); 7-25 Nov (up to 15) Putnam Co (SJS); 13 Nov (30) Clay Co (SJS); Nov (12) Maury Co (Felix Truss).

Locations: See page 65.

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CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: In general, this was a dry, mild autumn. Nine inches of rainfall at Chattanooga was 6 inches below the seasonal average. Elsewhere, Johnson City recorded 13 inches, which was 1.5 inches above average; but most of that fell in August and late November. The intervening weeks (September to mid-November) were quite dry regionwide. One inch of snow accumulated at Johnson City on 31 October, the heaviest amount on record for that month. Mild temperatures prevailed, especially in the latter half of November. A cold snap from 28 September to 2 October seemed to push many migrants out of the northeast portion of the region. Most wild crops of seeds, berries, and nuts were excellent.

Waterfowl and shorebird numbers were low, but a couple of rarities were found. The passerine migration received mixed reviews. Good numbers were reported from around Chattanooga. Low numbers, but good diversity, were found near Johnson City. Banding at Austin Springs was regarded as poor, with less than half the average number of captures made. It was felt that the nearly constant clear skies in the Johnson City area during September and October allowed most migrants to pass over that area. Numerous Red-breasted Nuthatches, plus scattered Pine Siskins and Evening Grosbeaks, invaded the region.

Loon-Ibis: **Common Loon:** 27 Nov (16) Boone L (RLK), max. **Double-crested Cormorant:** 21 Sep-30 Nov (1-3) Nol Wat Sct (JBH); 1-26 Oct (1-2) Aus Spr (RLK); 23 Oct (5) Chickamauga Lake, Hmlt Co (RJH). **ANHINGA:** 21 Sep (1 soaring) Signal Mountain, Hmlt Co (Jonnie Sue Lyons), second regional report. **American Bittern:** 1 Sep (1) Aus Spr (BLC); 9-29 Nov (1) Brainerd Levee, Hmlt Co (BGM). **Great Egret:** up to 10 at 3 Chattanooga area sites (RJH, KHD, LHD); 7 Aug (1) Fentress Co (BHS, SJS); 4 Sep (3) Ktn Stm P (RJH); 5 Sep (1) Morgan Co (SJS); 25 Nov (1) east Putnam Co (BHS, SJS); 28 Nov (1) Boone L (JWC, LCM); latter reports quite late. **Little Blue Heron:** 1 Aug-26 Sep (3-1) east Putnam Co (BHS, SJS); 6 Aug (2 im) Hmlt Co (RJH); 22 Aug/23 Sep (3 ad/1 im) Nol Wat Sct (Gvl TOS/Dee Eiklor); 4 Sep (3 im) Hiwassee River Area, Meigs Co (RJH). **Cattle Egret:** 26 Aug (1) Lst (RLK). **Green Heron:** 24 Nov (1) Nol Wat Sct (JBH), lrs. **Black-crowned Night Heron:** 22 Aug-10 Oct (1-12) Nol Wat Sct (JBH et al.); 10 Oct (1) Phipps Bend, Hawkins Co (DEH); plus reports of small numbers at usual sites. **White Ibis:** 22 Aug (1 im) Nol Wat Sct (Gvl TOS).

Goose-Falcon: **Snow Goose:** 20 Nov (1) Nickajack Lake, Marion Co (RJH). **Black Scoter:** 5 Nov (1 f) Boone L (RLK), 4th Jhn City area report. **Ruddy Duck:** 3 Oct (4) Aus Spr (RLK), earliest ever by 9 days in Jhn City area. **Bald Eagle:** 29 Aug (1 ad) Lst (BLC); 4 Sep (2 im) Jhn City (RLK); 20 Sep (1 ad) Aus Spr (RLK); 17 Oct (1 im) Rkn Bot, Cocke Co (JWB, ARH); 3 from Soddy Mountain hawkwatch, Hmlt Co (WGH). **Sharp-shinned/Cooper's Hawk:** 97/6 at Soddy Mtn. (WGH). **Broad-winged Hawk:** 28 Sep (623) Soddy Mtn. (WGH), max. **Merlin:** 20 Sep (1) east Put-

nam Co (BHS); 9 Oct (1) Jhn City (BLC); 11 Oct (1) Gray, Wash Co (Shirley Wayland). **Peregrine Falcon:** 1 Oct (1 im) Aus Spr (RLK).

Shorebirds-Nighthawk: **American Avocet:** mid Oct (8) Douglas Lake, Cocke Co portion (Steve Satterfield, m.ob.). **Whimbrel:** 3 Sep (1) Ktn Stm P (Bill Hayes). **Sanderling:** 2 Oct (1) Greene Co (PHB). **Western Sandpiper:** 21 Aug (1) Ktn Stm P (TLR). **Dunlin:** 20-28 Oct (4) Aus Spr (RLK); 24 Oct (1) Ktn Stm P (JWB, ARH); 26 Oct (1) Savannah Bay, Hmlt Co (KHD, LHD); 30 Oct (1) Boone L (RLK). **Common Snipe:** 4 Sep (1) Lst (RLK), ers; 30 Oct (55) Hiwassee River Area, Meigs Co (RJH), max. **Caspian Tern:** 4 Sep (1) Ktn Stm P (RJH). **Common Tern:** 26 Sep (1) Nickajack Lake, Marion Co (KHD, LHD). **Forster's Tern:** 3 Sep (4) Ktn Stm P (Mary Lynn Buttram, LAW); 5 Sep (6) Savannah Bay, Hmlt Co (KHD, LHD); 26 Sep (2) Aus Spr (RLK). **Black Tern:** 21 Aug (1) Ktn Stm P (TLR); 6 Sep (4) Aus Spr (RLK). **Short-eared Owl:** 6/18 Nov (1) Phipps Bend, Hawkins Co (JWB/LCM). **Common Nighthawk:** 30 Aug (834) Jhn City (RLK), max.

Flycatcher-Vireo: **Least Flycatcher:** 21 Sep (1 b) Aus Spr (RLK). **Eastern Kingbird:** 17 Oct (1) Gvl (JoAnne Routledge), lrs. **Northern Rough-winged Swallow:** 17 Oct (1) Rkn Bot, Cocke Co (JWB, ARH), lrs. **Red-breasted Nuthatch:** reports from Sullivan, Wash, Greene, Hamblen, Knox, Scott, Morgan and Hmlt Cos; mainly mid Oct thru Nov. **Sedge Wren:** 3/26 Oct (1) Aus Spr (RLK). **Marsh Wren:** 24-26 Sep/18 Oct (1) Aus Spr (RLK); 3 Oct (1) Bowmantown, Wash Co (RLK); 16 Oct (1) Knox Co (JWB, ARH); 24 Oct (1) Ktn Stm P (JWB, ARH). **Wood Thrush:** 15 Aug (nest with 1 yg) Wash Co (JWB). **Philadelphia Vireo:** 24 Sep/3 Oct (1) Wash Co (JWB/RLK).

Warbler-Grosbeak: **Blue-winged Warbler:** 5/24 Aug (1) Wash Co (JWB/JWN); 11 Sep (1) Hmlt Co (RJH). **Tennessee Warbler:** 23 Oct (1) Hmlt Co (RJH), lrs. **Orange-crowned Warbler:** 6 Oct (1) Gvl (JoAnne Routledge). **Yellow-rumped Warbler:** 28 Sep (3) Aus Spr (RLK), ers. **Black-throated Green Warbler:** 23 Oct (1) Hmlt Co (RJH), lrs. **Bay-breasted Warbler:** 23 Oct (2) Hmlt Co (RJH), lrs. **Cerulean Warbler:** 8 Aug (1) Hmlt Co (TLR). **Prothonotary Warbler:** 22 Aug/2 Oct (4/1) Greene Co (Gvl TOS). **Mourning Warbler:** 13 Oct (1) Hmlt Co (Mary Lynn Buttram, LAW). **Wilson's Warbler:** 21/28 Sep (2 b) Aus Spr (RLK); 2 Oct (2) Nol Wat Sct (JBH, DHM); 16 Oct (1) Hmlt Co (RJH); 3/16 Nov (1) Gvl (PHB), late. **Canada Warbler:** 1 Aug (3) Frozen Head S.N.A., Morgan Co (BHS, SJS). **Vesper Sparrow:** 23 Oct/11 Nov/14 Nov (1/5/1) Hmlt Co (RJH/BGM/KHD, LHD); 28 Oct/6 Nov (1) Aus Spr (RLK, Julie Tomita). **Sharp-tailed Sparrow:** 3 Oct (1) Aus Spr (RLK). **Fox Sparrow:** 26 Oct (1) Aus Spr (RLK), ers. **Lincoln's Sparrow:** 3-19 Oct (4 reports of 5 birds) Wash Co (RLK, JWB). **Bobolink:** scarce in Jhn City area (RLK). **Purple Finch:** few reports. **Pine Siskin:** small numbers reported from Wash, Greene & Hamblen Cos in late Oct thru Nov. **Evening Grosbeak:** reports of small numbers from Morgan, Greene & Hmlt Cos in Nov.

Locations: See page 65.

RICHARD L. KNIGHT, 804 North Hills Drive, Johnson City, TN 37604

EASTERN MOUNTAIN REGION: Waterfowl began migrating into the region earlier than normal. Spotted thrushes continue to be way down; however, late fall records for Hermit Thrush show them to be better than normal. A rocky hill near Wilbur Lake was an odd location for a Sora. Early winter finches were showing

promise of being better than recent years, with good flocks of Evening Grosbeaks and Pine Siskins. Purple Finch are still low, but better than the last few years. A large group of Red-breasted Nuthatches were seen on Roan Mountain, with 10 seen in one tree.

Loon-Duck: **Common Loon:** 17 Oct (7) Wat. L. (RLK), ers; 27 Nov (42) Wat. L. (RLK), max. **Pied-billed Grebe:** 22 Aug (1) S. Hol. L. (RLK), ers; 3 Oct (33) S. Hol. L./Wat. L., LRHTOS Fall count (JWC/RLK), large number for this early date. **Horned Grebe:** 17 Oct (1) Wat. L. (RLK), record early by 9 days; 27 Nov (5) Wat. L. (RLK), max. **Double-crested Cormorant:** 29 Aug (1) Roan Cr. (RLK), only report. **Great Egret:** 8 Aug (1) Wat. R. (GOW); 21 Aug (1) S. Hol. L. (BBC); 22 Aug (1/1) S. Hol. L./Roan Cr. (RLK). **Little Blue Heron:** 21/22 Aug (1/1 im) S. Hol. L. (BBC/RLK). **Black-crowned Night-Heron:** 17 Sep (2 im) Roan Cr. (RLK). **Tundra Swan:** 3 Oct (3) Wilbur L. (CFW, HPL, GOW), record early in area by 27 days, earliest Fall state record (fide Robinson, 1990). **American Black Duck:** no reports. **Northern Pintail:** 27 Nov (1) Eliz. (RLK), only report. **Blue-winged Teal:** 24 Sep (84) Wat. L. (BLC, SW), max. **Northern Shoveler:** 3 Oct (9) S. Hol. L. (JWC, LCM), only report. **Redhead:** 15 Nov (1) Wilbur L. (JWN), only report. **Ring-necked Duck:** 3 Nov (49) Wilbur L. (RLK), max. **Greater Scaup:** 3 Nov (3) Wat. L. (RLK). **Lesser Scaup:** 3 Oct (9) S. Hol. L. (JWC, LCM), ers; 27 Nov (20) Wat. L. (RLK), max. **White-winged Scoter:** 16-17 Oct (1) Wilbur L. (BLC), record early by 24 days. **Bufflehead:** 27 Nov (70) Wilbur L. (RLK), max. **Hooded Merganser:** 3 Sep (1) Wat. L. (JWN), very early; 7 Nov (7) Shady Valley (JLS). **Ruddy Duck:** 3 Oct (1) S. Hol. L. (JWC, LCM), record early by 9 days.

Harrier-Woodpecker: **Northern Harrier:** 22 Aug (1) Big Bald Mt. (RM), ers. **Red-shouldered Hawk:** 11 Sep (1) Ripshin L. (BLC); 9 Oct (1) Shady V. (SW). **Sora:** 3 Oct (1) Wilbur L. (GOW, HPL). **American Coot:** 3 Oct (21) S. Hol. L. (JWC, LCM), ers; 7 Nov (150) S. Hol. L. (JWB), max. **Greater Yellowlegs:** 29 Aug (1) Roan Cr. (RLK), only report. **Sanderling:** 17 Sep (2) Roan Cr. (RLK). American Woodcock: 3 Oct (1) Ripshin L. (DEH, TSM). **Bonaparte's Gull:** 7 Nov (1) S. Hol. L. (JWB), only report. **Forster's Tern:** 2 Sep (14) S. Hol. L. (BLC), only report. **Ruby-throated Hummingbird:** 16 Oct (1) Wilbur L. (BLC), lrs. **Red-headed Woodpecker:** 11 Sep (1) Roan Mt. (BLC), 4500 ft elev.

Flycatcher-Vireo: **Olive-sided Flycatcher:** 29 Aug (1) Carver's Gap, Roan Mt. (RLK). **Least Flycatcher:** 3 Oct (1) Eliz. (HPL, GOW), lrs. **Great Crested Flycatcher:** 3 Oct (1) Holston Mountain, Carter Co. (HPL, GOW), record late by 3 days. **Common Raven:** 21 Aug (1) Holston Mountain, Johnson Co. (RPL); 22 Aug (2) Backbone Rock, Johnson Co. (RPL); 1-5 regular on Roan Mt., Unaka Mt., and Big Bald Mt. (LRHTOS). **Red-breasted Nuthatch:** 17 Oct (3) Wat. L. (RLK), ers at low elev.; 11 Nov (63) Roan Mt. (RLK), max. **Blue-gray Gnatcatcher:** 15 Aug (10+) Rock Creek, Unicoi Co. (RPL), all in 1 small tree; 29 Aug (1) Carver's Gap, Roan Mt. (RLK), high elev. **Gray-cheeked Thrush:** 3 Oct (2) LRHTOS Fall count, low. **Swainson's Thrush:** 3 Oct (9) LRHTOS Fall count, very low. **Hermit Thrush:** 7 Oct (1) Roan Mt. (RLK), ers; 14 Nov (10+) Hol. V. (RPL), max. **White-eyed Vireo:** 17 Oct (1) Wat. L. (RLK), lrs. **Warbling Vireo:** 3 Oct (1) Unicoi Co. (BLC). **Philadelphia Vireo:** 3 Oct (1) Unicoi Co. (BLC); 12 Oct (1) Unaka Mt. (RLK). **Golden-winged Warbler:** 7 Sep (1 b) Big Bald Mt. (RM, George R. Mayfield). **Orange-crowned Warbler:** 12 Oct (1) Unaka Mt. (RLK). **Cape May Warbler:** 29 Aug (2) Roan Mt. (RLK), ers. **Blackburnian War-**

bler: 29 Aug (12) Roan Mt. (RLK), max. **Pine Warbler:** 17 Oct (1) Wat. L. (RLK), lrs. **Prothonotary Warbler:** 11 Sep (1) Rhododendron Gardens, Roan Mt. (BLC), unusual location. **Kentucky Warbler:** 24 Sep (2) Wilbur L. (BLC, SW, GWS). **Vesper Sparrow:** 17 Aug (1) Roan Mt. (JWN); 3 Oct (1) Shady V. (JWC). **Fox Sparrow:** 11 Nov (2) Roan Mt. (RLK), ers. **Snow Bunting:** 11 Nov (1) Round Bald, Roan Mt. (RLK); 23 Nov (2) Hump Mountain, Avery Co., NC (Ed Schell). **Northern Oriole:** 3 Oct (1) Erwin, Unicoi Co. (BLC, SW); 21 Oct (1) Milligan College, Carter Co. (RM), record late by 6 days. **Purple Finch:** 17 Oct (1) Wat. L. (RLK), ers; 30 Oct (3) Hol. V. (RPL). **Red Crossbill:** 11 Nov (1) Roan Mt. (RLK), only report. **Pine Siskin:** 31 Oct (3) Hampton, Carter Co. (TSM), ers; 7 Nov (200) Hampton, Carter Co. (TSM), max. **Evening Grosbeak:** 6 Nov (40) Hol. V. (RPL), ers; 11 Nov (20) Roan Mt. (RLK); 11 Nov (20) Shady V. (Thelma Brinkley); 23 Nov (80+) Roan Mt. (RLK), max; 27 Nov (1) Rock Creek, Unicoi Co. (RPL).

Locations: See page 65.

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OBSERVERS

See page 67.

THE MIGRANT

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NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of 1994. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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EASTERN BLUEBIRD A CASUALTY OF AN ELECTRIC FENCE

Ann T. Tarbell
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While birding in Walterhill, Rutherford County, Tennessee, 6 June 1991, I stopped along Cherry Lane to scan the area. A row of pines and small brushy growth sloped into a grassy meadow with a small pond, and beyond this rose a low knoll where cattle grazed. Along a driveway and enclosing this pasture was an electric fence consisting of one strand of wire supported by metal posts 1 m in height and insulated from the posts by yellow plastic insulators.

I investigated a lump at the end of one section of wire and found a dead male Eastern Bluebird (*Sialia sialis*) drooped over the insulator with its feet tightly gripping the wire. I pried it off with a plastic pen; it was limp and still warm.

An electrical service worker coming along the drive expressed surprise that the low pulsating charge would kill a bird, but if the bird were grounded across the insulator from wire to post by wet plumage, it would be endangered. This appeared to be so. The bluebird's feathers were wet, either from foraging in the wet grass or from bathing in the pond. Apparently as the bird lit next to the insulator, a wing swept across the plastic shield, making contact with the post. The bird was grounded and electrocuted.

Stewart (1973) described an electrocuted Screech Owl (*Otus asio*) hanging with its tarsus caught between wire and post. A lethal fence killed this owl; the owner estimated that approximately 200 birds were killed each year.

Fences in modern usage are generally safer for small animals (Tennessee Department of Agriculture spokesman, personal communication), and thus birds frequently perch on electric fences with impunity. On 7 June 1991 I watched an Eastern Kingbird (*Tyrannus tyrannus*) light safely midway on such a wire fence. In the case of the bluebird, the chain of circumstances led to this accidental casualty.

I thank R.L. Knight for his comments on this note.

LITERATURE CITED

Stewart, P.A. 1973. Electrocution of birds by an electric fence. *Wilson Bull.* 85 (4):476-477.

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The Migrant, 65 (2): 30-35, 1994.

1994 SPRING FIELD DAYS

Susan N. McWhirter

Eleven counts were held across the state for the 1994 Spring Field Days for a total of 207 species seen. Notable species include American White Pelican, Willet, Sanderling, Northern Goshawk, Northern Saw-whet Owl, and Yellow-headed Blackbird. Several of these individual counts were conducted in conjunction with the third annual North American Migration Count, a nationwide count with emphasis on neo-tropical migrants. Counts such as this provide valuable information for studies on the declining populations of these birds due to problems such as parasitism, habitat loss, and pesticide use. The TOS has been conducting annual Spring Counts in the current format since 1946, but never with the degree of participation that the annual Christmas Count receives. This is unfortunate. The information we as a society can provide is vital to such work as habitat management and preservation. We should make every effort to make our statewide Spring Count as comprehensive as the Christmas Count.

CW indicates the species was seen during the count week (three days prior to and/or after the day of the individual count).

Correction - Please note an error in the 1992 Spring Count for Putnam County: the total for American Robins should be 262, not 362.

INFORMATION ON THE COUNTS

MEMPHIS: 24 April; clear; 0730-1730; 30 observers; 125 species. The Common Loon is new to the count. Martha Waldron (compiler - 1626 Yorkshire Dr., Memphis 38119).

MONTGOMERY COUNTY: 7-8 May; 21 observers. Joe Allen, Amy Atkins, Randall Barnes, Suva Bastin, Glenn Foust, Debbie Gillis, Steve Hamilton, Annie Heilman, Nancy Hughes, Chad Lockard, W.G. Lyle, Bill Milliken, Gloria Milliken (compiler - 861 Vaughn Rd., Clarksville 37043), Diann Nance, Sally Rager, Anna Ragland, David Snyder, Patty Stinger, James Watts, Stanley York.

COLUMBIA: 6-7 May; partly cloudy and warm with intermittent rain on the 7th; temp. 60-80°F; 9 observers; 142 species. Steven Brinkley, William Fuqua, William Jernigan, Allyn Lay, Anne Lochridge, Bedford Lochridge, Cleo Mayfield, George Mayfield (compiler - 999 Sunnyside Dr., Columbia 38401), Karen Stephens.

NASHVILLE: 30 April-1 May; rainy and overcast; temp. 50's-60's; 28 observers; 158 species. The American White Pelican has been present since mid-winter. Janet Ayers, Sandy Bivens, Drake Caldwell, Theresa Clark, Richard Connors, Beth Creighton, Jerry Drewry, Gilbert Foster, Sarah Green, Barbara Harris (compiler - 2225 Pinewood Rd., Nashville 37216), Daniel Jacobsen, Louise Jackson, Lee Kramer, Joni Langevoort, Heather Leverett, Scott Lovell, Portia McMillen, Richard Newton, Anne Nixon, Bob Nixon, Kim Phillips, Janeace Seals, Jan Shaw, Joe Stone, Ann Tarbell, Sabin Thompson, Kenneth Walkup, Joe Walton.

MURFREESBORO: 30 April-1 May; partly cloudy; 36 total party hours (6 on foot, 30 by car); 314 total party miles (7 on foot, 307 by car); 11 observers; 107 species. Bertha Chreitzberg, Jim Chreitzberg, Anne Hettish, Bob Hettish, Richard Hunter, Wilma Hunter (compiler - 3659 Wilson-Onerall Rd., Murfreesboro 37130), David McCarroll, Gene Odom, Ruth Odom, Carol Witt, Terry Witt.

MANCHESTER: 30 April; 0600-1800, plus 0330-0530 owling; clear to overcast; temp. 60-77°F; 16 observers in 8 parties with 4 at feeders; 44 party hours (32 by car,

12 on foot, plus 10 at feeders and 2 owling); 428 party miles (405 by car, 23 on foot, plus 25 owling); 130 species. Dwain Adams, Joyce Adams, Don Davidson (compiler - 1703 2nd Ave., Manchester 37355), Frank Hernandez, Marquerite Hernandez, Jerry Ingles, Ruth Luckado, Corinne Martinez, Joe Martinez, Nickie Medley, Phil Medley, Chlor Peebles, Howell Peebles, Erma Rogers, Quincy Styke, Jean Sullivan, Bobbi Woods, Lee Woods, Harry Yeatman, Jean Yeatman.

PUTNAM COUNTY: 14 May; scattered showers in AM, clear in PM until 2100 when a 3 hr. thunderstorm came in; wind 5-25 mph and gusty; temp. 58-82°F; 6 parties plus 2 yard counters; 66 total party hours, plus 12.25 by yard counters and 2 owling; 400 total party miles plus 51 owling; 129 species. T.M. Campbell, Daniel L. Combs, R.L. Denning, David Hume, Graham S. Kash, Ann M. Sanders, Michael A. Sanders, Joanne T. Schaefer, R.W. Simmers, Barbara H. Stedman, Stephen J. Stedman (compiler - 2675 Lakeland Dr., Cookeville 38501), Winston A. Walden.

HAMILTON COUNTY: 14 May; 28 observers in 13 parties; 57.5 total party hours; 519 total party miles; 129 species. Zach Anderson, Jeff Boehm, Mary Lynn Buttram (compiler - 1409 Winding Way, Chattanooga 37405), Rees Buttram, Kevin Calhoon, Bill Chipley, Barbara Claiborne, Linda Cobble, Linda Collins, Edgar Grundset, Bill Haley, John Henderson, Daniel Jacobson, Barbara McMahan, Mike McMahan, Johnny Parks, Tom Patton, Robert Pierce, Peter Robinson, Ron Rogers, David Smith, Harriet Spiegel, Carl Swofford, Dan Williams, Dick Wodzenski, Libby Wolfe, Ron Wolfe.

KNOXVILLE: 1 May; overcast with variable winds; temp. 45-62°F; 22 observers in 13 parties; 88 total party hours including 2 by raft plus 2.25 owling; 131 total species. The Short-billed Dowitchers (FB, SB) were the first for this count. Jane Beintema, Frank Bills, Sharon Bostick, Betty Reid Campbell, Jim Campbell, Howard Chitwood, Bob Collier, Marcia Davis, Dottie Ely, Barbara Finney, Jim Finney, Mary French, Jerry Hadder, Paul Hartigan, Audrey Hoff (compiler - 4523 McCloud Rd., Knoxville 37938), Susan Hoyle, Joel Keebler, Tony Koella, Martha Rudolph, Boyd Sharp, Bob Willard.

GREENEVILLE: 23 April; 0700-2000; clear; wind calm; temp. 39-71°F; 24 observers in 12 parties plus 2 at feeders; 54.5 total party hours (33.5 by car, 17 on foot, 4 by boat, plus 26 at feeders); 259.5 party miles (245.5 by car, 11 on foot, 3 by boat); 104 total species. Orland Britton, Phine Britton, Cynthia Cragin, Herb Cragin, Marjorie Earnest, King Gaut, Margaret Gaut, Juanita Heckert, Lenard Heckert, Jim Holt (compiler - 311 Colonial Cl., Greeneville 37743), Tommy Jeffers, Alice Loftin, Jim Luedke, Don Miller, Doug Neifert, Pat Neifert, Richard Nevius, Willie Ruth Nevius, Dan Nieves, Helen Reed, Jo Anne Routledge, Larry Routledge, Helen Spees, Royal Spees, George Weaver, Virginia Williams.

ELIZABETHTON: 1 May; 0400-2200; light rain in early AM, otherwise cloudy in AM, PM clearing; temp. 42-66°F; wind NW-W, 5-15 mph; 110 party hours plus 6.5 nocturnal hours; 29 observers in 10 parties. The Northern Goshawk was an adult seen near Roan Mountain (FA, SS, CS). Fred Alsop, James Brooks, Wallace Coffey, Joy Crass, Brian Cross, Martha Dillenbeck, Harry L. Farthing, Elizabeth Funkhauser, Rodney Hardin, Richard Hegler, Audrey Hoff, Danny Huffine, Rick Knight (compiler - 804 N. Hills Dr., Johnson City 37604), Richard Lewis, Sue Lewis, Kelli Mayfield, Rad Mayfield, Tom McNeil, Paul Miller, Charles Moore, John Shumate, Lorrie Shumate, Craig Stevens, Stan Strickland, Cathi Sullins, Glenn Swofford, Angie Tomko, Gary Wallace, Frank Ward.

Received 5 September 1995.

The 1994 Spring Field Days

Species	Memp	Mont	Colu	Nash	Murf	Manch	Putn	Hamil	Knox	Green	Eliz
Common Loon	1	*	*	6	*	1	1	*	1	*	7
Pied-billed Grebe	*	*	*	2	*	*	*	*	*	*	*
American White Pelican	*	*	*	1	*	*	*	*	*	*	*
Double-crested Cormorant	1	*	3	41	*	7	*	3	3	*	1
American Bittern	*	1	*	1	*	*	*	*	*	*	*
Least Bittern	*	*	2	1	*	*	*	*	*	*	*
Great Blue Heron	9	7	3	11	8	51	7	156	101	14	7
Great Egret	*	*	4	*	*	*	*	2	*	*	*
Little Blue Heron	*	1	*	*	*	*	*	12	*	2	*
Cattle Egret	2	*	3	62	*	*	*	*	*	*	*
Green Heron	1	2	23	9	7	7	11	19	8	7	10
Black-crowned Night-Heron	*	*	*	113	4	*	*	*	8	3	1
Yellow-crowned Night-Heron	20	*	*	*	*	*	*	10	2	*	*
Snow Goose	*	*	*	*	*	*	*	*	*	2	*
Canada Goose	5	5	125	170	57	56	38	163	125	78	158
Wood Duck	18	3	20	20	7	8	10	25	27	28	44
Mallard	26	6	18	104	7	6	*	191	28	9	75
Blue-winged Teal	7	*	5	4	6	6	*	*	*	2	*
Northern Shoveler	*	5	*	*	*	*	*	*	*	*	*
American Wigeon	*	*	1	*	*	1	*	*	*	*	*
Hooded Merganser	1	*	*	*	*	1	1	1	*	*	*
Black Vulture	*	31	23	111	50	7	3	12	5	17	23
Turkey Vulture	2	30	32	91	30	81	35	18	57	72	116
Osprey	*	*	*	2	*	2	1	*	8	2	4
Mississippi Kite	3	*	*	*	*	*	*	*	*	*	*
Bald Eagle	*	*	*	2	*	*	*	*	*	*	*
Northern Harrier	*	*	*	*	*	*	*	*	*	1	*
Sharp-shinned Hawk	*	*	1	3	*	1	*	1	2	*	2
Cooper's Hawk	1	1	1	1	2	*	1	2	1	2	4
Northern Goshawk	*	*	*	*	*	*	*	*	*	*	1
Accipiter sp.	*	*	*	1	*	*	1	*	2	*	*
Red-shouldered Hawk	3	3	*	9	*	3	5	4	3	1	*
Broad-winged Hawk	3	*	2	3	*	2	6	3	3	1	12
Red-tailed Hawk	4	12	10	20	15	9	9	9	18	11	15
Rough-legged Hawk	*	1	*	*	*	*	*	*	*	*	*
American Kestrel	3	13	8	10	29	4	16	2	3	11	17
Ruffed Grouse	*	*	*	*	*	*	3	*	1	1	5
Wild Turkey	5	5	*	3	*	3	*	*	*	1	5
Northern Bobwhite	10	29	19	36	25	11	34	10	15	9	9
Sora	*	*	5	2	*	*	*	1	*	*	2
American Coot	*	*	*	4	*	*	*	5	*	*	*
Lesser Golden Plover	1	*	*	*	*	*	*	*	*	*	*
Semi-palmated Plover	*	1	*	2	10	*	*	6	*	*	1
Killdeer	53	32	71	37	35	25	67	46	46	46	59
Black-necked Stilt	15	*	*	*	*	*	*	*	*	*	*
Greater Yellowlegs	17	3	7	1	2	1	*	4	*	*	2
Lesser Yellowlegs	102	*	53	3	6	23	*	*	*	*	19
Solitary Sandpiper	251	4	28	14	25	12	1	1	5	9	41
Willet	22	*	*	*	*	*	*	*	*	*	*
Spotted Sandpiper	6	5	9	8	12	8	8	6	8	9	46
Sanderling	*	*	23	*	*	*	*	*	*	*	*
Semipalmated Sandpiper	3	*	19	8	1	*	*	4	*	*	*
Western Sandpiper	5	*	*	*	*	*	*	*	*	*	*

Species	Memp	Mont	Colu	Nash	Murf	Manch	Putn	Hamil	Knox	Green	Eliz
Least Sandpiper	26	*	37	2	13	15	*	4	*	1	22
White-rumped Sandpiper	*	*	*	*	*	*	1	*	*	*	*
Pectoral Sandpiper	122	*	2	*	12	1	*	*	1	*	*
Short-billed Dowitcher	*	*	*	*	*	*	*	*	2	*	*
Long-billed Dowitcher	1	*	*	*	*	*	*	*	*	*	*
Common Snipe	1	*	*	2	3	*	*	*	*	*	*
American Woodcock	*	*	2	1	*	*	1	*	*	CW	*
Wilson's Phalarope	1	*	*	*	*	*	*	*	*	*	*
Ring-billed Gull	*	*	*	43	*	1	*	11	*	*	10
Herring Gull	*	*	*	2	*	*	*	*	*	*	*
Caspian Tern	*	*	*	9	*	*	*	*	*	*	*
Common Tern	*	*	*	5	*	*	*	*	*	*	*
Forster's Tern	*	*	*	3	*	*	*	*	*	*	*
Rock Dove	44	31	55	51	125	13	48	64	174	39	103
Mourning Dove	98	124	50	146	96	63	218	173	300	172	278
Black-billed Cuckoo	*	1	*	*	*	*	4	*	*	*	1
Yellow-billed Cuckoo	*	4	13	15	3	1	6	15	8	*	1
Common Barn Owl	*	*	*	*	*	*	*	*	*	2	5
Eastern Screech Owl	*	*	8	3	*	2	2	*	4	1	3
Great Horned Owl	*	1	7	5	2	4	1	2	9	*	2
Barred Owl	3	5	6	6	*	6	2	3	2	*	1
Northern Saw-whet Owl	*	*	*	*	*	*	*	*	*	*	2
Common Nighthawk	1	20	7	6	4	2	10	5	1	CW	5
Chuck-will's-widow	1	*	7	3	*	15	4	5	13	CW	4
Whip-poor-will	*	*	4	4	4	16	7	21	*	*	7
Chimney Swift	7	64	71	125	68	62	181	230	391	101	358
Ruby-throated Hummingbird	10	17	3	10	10	7	6	13	4	7	10
Belted Kingfisher	8	11	11	14	9	4	5	14	12	12	11
Red-headed Woodpecker	17	11	4	16	3	3	2	4	1	CW	3
Red-bellied Woodpecker	51	37	33	52	15	21	41	65	64	40	23
Yellow-bellied Sapsucker	*	*	*	*	2	*	*	*	*	*	1
Downy Woodpecker	18	17	23	28	10	7	17	21	17	17	25
Hairy Woodpecker	3	5	5	3	2	*	4	6	7	*	7
Northern Flicker	7	9	2	31	18	11	30	36	26	28	36
Pileated Woodpecker	11	11	12	20	1	6	19	17	27	23	48
Eastern Wood-Pewee	6	26	23	27	8	8	65	31	4	2	9
Acadian Flycatcher	16	10	12	10	*	6	37	5	*	*	15
Willow Flycatcher	*	*	2	2	*	*	*	*	*	*	*
Least Flycatcher	*	1	*	*	*	*	*	*	*	*	4
Eastern Phoebe	*	42	23	41	5	8	26	10	17	18	50
Great Crested Flycatcher	4	6	15	20	8	9	19	50	12	8	23
Eastern Kingbird	9	51	36	84	54	33	54	40	24	21	38
Horned Lark	12	*	2	*	1	2	2	*	*	*	*
Purple Martin	45	92	36	27	*	27	54	52	104	22	124
Tree Swallow	*	*	9	22	*	5	6	1	6	3	37
N. Rough-winged Swallow	9	31	38	151	*	13	63	39	72	52	201
Bank Swallow	*	*	1	3	*	*	*	4	9	*	2
Cliff Swallow	*	606	3	400	*	5	2	102	1	*	39
Barn Swallow	24	124	38	126	*	53	121	76	311	176	374
Blue Jay	33	81	40	165	*	57	98	138	155	180	174
American Crow	25	94	51	136	*	105	96	260	295	148	405
Fish Crow	15	*	*	*	*	*	*	*	*	*	*
Common Raven	*	*	*	*	*	*	*	*	*	*	13
Carolina Chickadee	53	77	30	69	43	31	48	121	115	48	108
Tufted Titmouse	70	58	70	168	17	32	56	65	92	34	132

Species	Memp	Mont	Colu	Nash	Murf	Manch	Putn	Hamil	Knox	Green	Eliz
Red-breasted Nuthatch	*	*	*	*	*	*	*	*	2	*	10
White-breasted Nuthatch	5	9	16	18	*	8	8	42	11	8	11
Brown-headed Nuthatch	*	*	*	*	*	*	*	5	*	*	*
Carolina Wren	54	58	40	63	31	30	54	86	128	45	105
Bewick's Wren	*	*	2	*	2	*	*	*	*	*	*
House Wren	*	11	5	6	13	*	7	1	2	7	36
Winter Wren	*	*	*	*	*	*	*	*	*	*	9
Marsh Wren	*	*	*	2	*	*	*	*	*	*	*
Golden-crowned Kinglet	1	5	*	2	*	*	*	*	*	2	2
Ruby-crowned Kinglet	4	*	2	4	1	2	*	*	14	2	10
Blue-gray Gnatcatcher	108	65	106	147	12	21	74	70	97	29	85
Eastern Bluebird	12	139	132	123	77	54	132	92	54	92	106
Veery	*	*	5	4	1	*	3	5	2	1	17
Gray-cheeked Thrush	8	1	2	*	*	*	3	3	*	*	1
Swainson's Thrush	45	14	8	35	2	1	38	7	21	*	1
Hermit Thrush	*	2	*	*	*	*	*	*	*	*	1
Wood Thrush	56	8	22	26	3	7	92	33	31	2	58
American Robin	50	264	147	539	129	124	365	247	335	223	940
Gray Catbird	1	11	13	38	11	9	30	21	18	1	94
Northern Mockingbird	16	111	60	128	82	51	80	86	113	83	115
Brown Thrasher	9	31	23	38	26	25	59	55	32	27	56
American Pipit	2	*	*	*	*	*	*	*	3	*	*
Cedar Waxwing	9	203	99	559	132	24	82	666	792	109	111
Loggerhead Shrike	1	6	9	5	6	1	1	*	3	1	5
European Starling	114	613	160	724	500	288	575	763	1080	660	1315
White-eyed Vireo	57	26	56	47	10	12	67	35	17	8	12
Solitary Vireo	*	*	1	*	1	*	2	*	1	1	93
Yellow-throated Vireo	5	5	7	13	1	2	19	6	4	3	4
Warbling Vireo	4	9	8	12	*	*	*	*	*	*	2
Red-eyed Vireo	53	27	25	42	15	12	395	111	116	13	118
Blue-winged Warbler	1	2	8	10	*	*	22	3	*	CW	*
Golden-winged Warbler	2	*	*	*	*	*	*	1	1	*	5
Tennessee Warbler	107	32	17	34	*	5	54	1	2	2	*
Orange-crowned Warbler	*	1	*	*	*	1	*	*	*	*	*
Nashville Warbler	2	*	*	3	1	*	1	*	2	*	*
Northern Parula	65	10	11	23	*	6	31	2	2	*	53
Yellow Warbler	4	3	19	31	1	2	*	9	*	5	91
Chestnut-sided Warbler	2	13	5	8	1	9	3	2	11	*	75
Magnolia Warbler	4	8	1	11	2	1	3	10	9	*	*
Cape May Warbler	*	3	1	4	1	3	2	*	10	4	1
Black-throated Blue Warbler	*	*	*	*	*	*	1	*	3	*	169
Yellow-rumped Warbler	19	12	18	253	21	25	2	14	147	134	47
Black-throated Green Warbler	1	4	1	11	*	6	4	4	17	1	101
Blackburnian Warbler	*	2	1	2	*	2	2	1	1	*	1
Yellow-throated Warbler	4	7	12	18	*	2	13	10	3	8	15
Pine Warbler	1	6	3	3	*	2	8	28	10	*	8
Prairie Warbler	*	11	12	14	15	11	95	51	5	2	*
Palm Warbler	4	3	5	48	5	11	*	1	7	26	2
Bay-breasted Warbler	*	3	3	3	*	2	2	3	4	*	1
Blackpoll Warbler	13	1	7	24	30	6	8	5	17	*	*
Cerulean Warbler	20	*	6	2	*	*	24	*	3	*	*
Black-and-white Warbler	3	2	3	18	3	6	22	9	8	*	79

Species	Memp	Mont	Colu	Nash	Murf	Manch	Putn	Hamil	Knox	Green	Eliz
American Redstart	24	2	5	3	*	*	30	7	3	*	9
Prothonotary Warbler	22	13	13	19	*	3	*	4	*	1	1
Worm-eating Warbler	2	*	5	4	*	2	12	8	1	4	14
Swainson's Warbler	10	*	*	*	*	*	*	*	*	CW	4
Ovenbird	1	1	7	7	1	7	64	10	15	3	155
Northern Waterthrush	*	1	8	11	1	*	2	*	1	*	1
Louisiana Waterthrush	5	1	7	8	*	7	13	2	*	*	24
Kentucky Warbler	64	7	24	26	*	4	64	7	4	*	6
Connecticut Warbler	*	*	*	*	*	*	1	1	*	*	*
Common Yellowthroat	30	27	32	63	31	11	140	37	56	31	32
Hooded Warbler	5	2	3	8	1	6	66	13	5	1	148
Wilson's Warbler	*	*	*	1	*	*	1	*	*	*	1
Canada Warbler	*	*	1	4	1	1	7	5	1	*	15
Yellow-breasted Chat	1	8	57	35	4	10	65	48	12	1	10
Summer Tanager	45	17	43	43	4	13	44	16	18	*	*
Scarlet Tanager	22	12	21	47	*	5	44	24	30	2	72
Northern Cardinal	89	239	126	308	88	71	228	194	309	153	262
Rose-breasted Grosbeak	4	3	2	47	5	2	3	*	19	*	23
Blue Grosbeak	1	3	2	7	9	10	13	11	*	7	5
Indigo Bunting	45	68	193	132	26	49	464	161	167	5	205
Painted Bunting	1	*	*	*	*	*	*	*	*	*	*
Dickcissel	*	38	27	6	20	6	3	*	*	*	*
Rufous-sided Towhee	16	59	51	114	25	24	71	87	77	29	111
Chipping Sparrow	9	22	18	35	22	28	83	37	8	22	142
Field Sparrow	1	39	50	50	41	18	120	28	41	14	36
Vesper Sparrow	*	*	*	*	*	*	*	*	*	*	1
Savannah Sparrow	11	*	5	8	1	7	*	*	1	*	8
Grasshopper Sparrow	*	*	8	*	15	5	4	5	*	*	13
Song Sparrow	2	1	1	15	3	18	106	73	148	44	287
Lincoln's Sparrow	*	*	1	3	*	*	*	*	*	*	1
Swamp Sparrow	6	*	*	6	1	*	*	*	1	19	4
White-throated Sparrow	168	2	16	19	27	7	3	1	36	91	24
White-crowned Sparrow	11	3	4	8	4	1	*	*	3	11	8
Dark-eyed Junco	*	2	*	*	*	*	*	*	*	*	93
Bobolink	*	480	17	11	50	7	3	2	*	*	*
Red-winged Blackbird	282	206	248	265	325	78	171	176	302	257	504
Yellow-headed Blackbird	*	1	*	*	*	*	*	*	*	*	*
Eastern Meadowlark	70	121	153	164	130	79	238	107	107	210	285
Common Grackle	70	142	130	339	250	125	185	249	381	304	667
Brown-headed Cowbird	87	46	90	224	100	55	118	43	68	75	98
Orchard Oriole	4	9	18	38	3	5	37	19	12	3	17
Northern Oriole	12	5	*	11	*	1	3	*	7	CW	4
Purple Finch	*	*	*	*	*	1	*	*	*	6	*
House Finch	21	95	10	68	24	41	28	100	90	84	143
Pine Siskin	1	*	*	1	*	2	*	2	5	3	110
American Goldfinch	35	136	74	312	134	50	53	63	117	145	344
Evening Grosbeak	*	*	*	*	*	*	*	*	1	64	131
House Sparrow	12	98	53	34	*	43	94	42	87	33	145
Total Species	125	125	142	158	107	130	129	129	131	104	149

The Migrant, 65 (2): 36-38, 1994.

MINUTES OF 1994 ANNUAL TOS BOARD OF DIRECTORS AND BUSINESS MEETING

The 79th Annual Meeting of the Tennessee Ornithological Society was held at the Holiday Inn in Johnson City on 14 May 1994. It was hosted by the Lee Herndon, Bristol, and Greeneville Chapters.

The minutes of the Fall 1993 Board of Directors meeting were approved, with two revisions: (1) The 40-acre Austin Springs of Bristol had been incorrectly reported as already acquired; the final purchase was still unsettled as of May 1994; (2) Monsanto is providing wildlife habitat enhancement on 5,000 acres at their Columbia plant site.

COMMITTEE REPORTS: There were no VICE PRESIDENTIAL or DIRECTORS-AT-LARGE REPORTS, except that East Tennessee Director-at-Large John Shumate thanked East Tennessee members and others for assisting with the recent completion of Rick Knight's 68-page book, *The Birds of Northeast Tennessee - An Annotated Checklist*.

TREASURER'S REPORT: George Payne, Jr. reported for the period of 23 October, 1993 - 11 May, 1994. The current operating ASSETS were $44,517. There had been an INCOME of $11,037 and LIABILITIES of $4,032. The ENDOWMENT FUND, with interest funding publication of ***The Migrant***, was $63,689. Paid MEMBERSHIP was 803, compared to 641 in May 1993 and a final membership of 896 in 1993; some chapter memberships were still unreported.

CURATOR'S REPORT: Susan McWhirter reported on behalf of her husband, Associate Curator Mac McWhirter. She moved that the price of back issues of ***The Migrant*** be reduced from $2.50 (as authorized in May 1993) to the original of $1.00, plus shipping costs, in order to stimulate utilization of older issues. Rad Mayfield amended the motion to allow for a negotiated reduced price for orders of multiple copies. The amended motion passed.

Susan further encouraged that families of deceased members donate unwanted back issues of ***The Migrant*** to TOS via the Associate Curator, who stores back issues at Rhodes College in Memphis.

MIGRANT EDITOR Wallace Coffey advised that the September 1992 issue is almost ready for mailing. An index of published species has been computerized and will appear in the December 1992 issue. Morris Williams has accepted the position of Seasonal Editor, replacing Bob Ford, who had resigned the position.

In order to reduce excessive delays in mail processing, Wallace Coffey moved that TOS open a separate postal permit for *The Warbler* than that used for ***The Migrant***, and that the Editor of *The Tennessee Warbler* be authorized to obtain a mailing permit at the post office of his/her convenience. It was amended that the type of permit be at the discretion of the newsletter editor, TOS President, and Treasurer. The amended motion passed.

NOMINATING COMMITTEE: Ken Dubke reported that James Brooks of the Lee Herndon Chapter has been nominated for President-Elect, subject to election at the membership's business meeting that night.

FINANCE COMMITTEE: Barbara Finney advised that the Treasurer's books have been found to be in order. The Endowment Fund investment has also been reviewed and was found to be providing a steady and reliable income for support of ***The Migrant***.

BREEDING BIRD ATLAS COMMITTEE: President Bob Ford advised that the Atlas has been sent out for peer review at the discretion of U.T. Press. Secretary Bob Hatcher reported that Chairman Chuck Nicholson recently advised that the Atlas is scheduled for printing in early 1995.

RECORDS COMMITTEE: Rick Knight distributed revised criteria for adoption of records. Don Davidson reported the primary revisions to include:

— The Records Committee will change from three members and three alternates to five members and one alternate. The alternate will vote on records involving other Committee members.

— The makeup of the Committee will no longer be geographically restricted.

— An appeal process has been provided.

— A "provisional list" would be maintained for records for which documentation is convincing but inadequate for full acceptance.

Susan McWhirter's motion for acceptance of the revisions carried.

CONSERVATION COMMITTEE: Ken Dubke has secured a $1,000 donation to TOS for assisting the Tennessee Wildlife Resources Agency (TWRA) in the purchase of the 750-acre Armstrong Bend site, located at the northeast junction of the Hiwassee and Tennessee Rivers. This TOS partnership provided TWRA with added points for potential further federal funding.

Bob Hatcher reported that the legislature appropriated $100,000 for TWRA's rare and nongame wildlife program for 1994-95. A special wildlife "vanity" license plate was authorized, with $25 from each plate dedicated to TWRA's Watchable Wildlife Endowment Fund. After accumulations to $500,000, earnings can be utilized for support of Tennessee's rare and nongame wildlife.

EDUCATION COMMITTEE: Candy Swan reported a proposal to form student chapters of TOS in school systems. Nearby regular TOS members would hopefully be available to lead them on birding tours. Don Davidson moved that the Committee work with the President, Treasurer, and any interested members in developing a procedure for involving student chapters, but without excessive servicing requirements. The motion carried.

PATCHES AND DECALS COMMITTEE: Rick Knight advised that Chairman Bill Bridgeforth had turned in remaining patches and decals, and was believed to be resigning this position.

EDITOR OF *THE TENNESSEE WARBLER:* President Bob Ford advised that participants of the TOS winter meeting had recommended changing from two to three issues per year. Susan McWhirter moved for this change. George Payne amended this to begin in 1995 in order that the three issues can be budgeted. The amended motion passed. Winter participants had also suggested some newsletter articles about: attracting wildlife, hints for local birding hot spots, and successful chapter projects.

Ken Dubke moved that the Editor, in consultation with the Treasurer, be authorized to purchase software for publishing the newsletter, not to exceed $300. The motion passed.

PARTNERS IN FLIGHT: President Ford reported that Candy Swan is to lead a foray during Memorial Day Weekend, 1994 in Cumberland County, with focus on Catoosa Wildlife Management Area. Don Davidson is to lead a foray 18-19 June 1994 at Arnold Engineering Development Center in Franklin County.

TOS HISTORIAN: Bill Fowler requested information from each chapter concerning: charter date, lists of all known presidents, and current meeting dates/sites.

NEW BUSINESS: Bob Hatcher reported that former TOS Secretary John Robinson of California has requested USE OF THE TOS MAILING LIST for notifying members about his new "Lanius" software for maintaining personal bird sighting databases. Rad Mayfield moved for approval for sending him TOS member mailing labels, subject to: (1) a one-time use, (2) no transfer to others, and (3) reimbursement for postage and label costs. The motion passed.

Bob Ford reported the FALL 1994 SYMPOSIUM is proposed for western Middle Tennessee at a time and place to be determined.

Bob Ford reported a proposal for a supplemental EXPANDED TENNESSEE BIRD CHECKLIST to include seasonal abundance by species. Action was tabled to the Fall Meeting.

Bob Hatcher invited input for proposed REPRINTING OF THE STANDARD "ORANGE CARD" Tennessee bird checklist. Don Davidson volunteered the Records Committee to submit a list of recommended revisions.

GENERAL BUSINESS: Prior to a buffet dinner, TOS members had seen and/or heard on their field trips: a Saw-whet Owl, Alder and Least Flycatchers, Common Ravens, Black-throated Blue Warblers, and many others.

Fred Alsop opened the session with a commemoration of the 50th anniversary of the Lee Herndon Chapter. Mrs. Lee Herndon was honored for her 50 years of numerous contributions.

President Bob Ford presided during the business session. Committee chairmen or their representatives highlighted the reports and actions of the Directors' Meeting, as recorded above. Ken Dubke reported the nomination of James Brooks of the Lee Herndon Chapter as President-Elect. He was elected by acclamation.

Ken Dubke announced that the Distinguished Service Award recipient was Dr. David Pitts, ornithology professor at the University of Tennessee at Martin. Other credits included:

— was a member of TOS since 1965;

— published numerous professional and popular bird articles, specializing with Eastern Bluebirds;

— published his first ***Migrant*** article in 1972 concerning nesting Bank Swallows in Lake County;

— participated in most Reelfoot Christmas Bird Counts since 1971;

— was the first person in many years to summarize our nesting heron and egret colonies, with at least one update;

— conducted other research including grackles and Lark Sparrows;

— compiled species accounts of the birds of northwest Tennessee;

— served as symposium director for several fall TOS meetings; and

— served as Seasonal Editor and ***Migrant*** Editor for several years.

Bob Ford announced that Governor Ned McWherter had signed a resolution designating 14 May 1994 as International Migratory Bird Day in Tennessee.

The guest speaker for the evening was Dr. George A. Hall, Professor Emeritus of the University of West Virginia. He gave an interesting slide presentation concerning his many years of banding birds in the Appalachians.

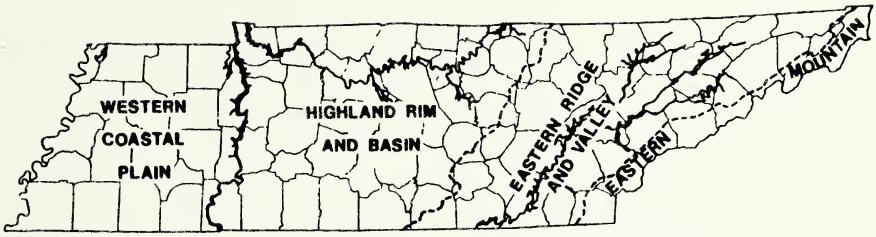
Respectfully submitted,

BOB HATCHER, TOS Secretary

The Migrant, 65 (2): 39-45, 1994.

THE SEASON

RICHARD L. KNIGHT, Editor



WINTER: 1 DECEMBER 1993 - 28 FEBRUARY 1994

WESTERN COASTAL PLAIN REGION: The Winter Season produced mixed species and an abundance of waterfowl. Tennessee Wildlife Resource Agency staff suggested that the more than usual number of waterfowl was attributed to a lack of food supply in the northern states as result of the fall flooding and winter snows. Some unusual sightings were scoters, a Sandhill Crane, a Glaucous Gull, a nighthawk species, a Blue-gray Gnatcatcher, and a Rose-breasted Grosbeak. Christmas counts neared previous record numbers, which again was attributed to single sightings of uncommon migrants.

Loon- Duck: **Common Loon:** 21 Dec (2) Rlft L CBC; 28 Dec (3) Savannah CBC; 5 Feb (2) Pickwick S P (MAG). **Pied-billed Grebe:** 8 Dec-EOP (10-29) Rlft L, Obion/ Lake Co, reported in single digits on other parts of the lake (WGC); 28 Dec (43) Savannah CBC; 25 Jan (30) Pickwick S P (MAG). **Horned Grebe:** 21 Dec (10) Rlft L CBC; 6 Jan-13 Feb (2) Rlft L S P (WGC); 28 Dec (89) Savannah CBC; 23 Jan/5 Feb (6/ 10) Pickwick S P (MAG, JBG, GBB, JRW). **Red-necked Grebe:** 21 Dec (1) Rlft L CBC (MAG, JRW), second west TN record. **American White Pelican:** 25 Feb (60+) Dyer Co. (WGC), early. **Double-crested Cormorant:** 5 Dec (150/13) Wynnburg/Rlft L, Lake Co., (18) Samburg (WGC); 21 Dec (17) Rlft L CBC. ***Swan sp.:*** 6 Feb (1) Shelby Farms (MLG, Glen Campbell, EJR), field notes indicate Tundra, but observers did not rule out Trumpeter. **Greater White-fronted Goose:** 1/29 Jan (40+/100) Long Point (WGC); 8 Jan (30) Rlft L, Obion Co. (MAG); 22/30 Jan (2) Lauderdale WMA (MTOS/WGC). **Snow Goose:** 6 Jan (200+) Long Point (WGC); 22/23 Jan (200+/ 450+) Shelby Farms (MLG); 21 Dec (100 blue, 200 snow) Rlft L CBC; 12 Feb (234) Obion Co. (WGC); 24 Feb (300 max) Lauderdale WMA (WGC). **Blue-winged Teal:** 21 Dec (5) Rlft L CBC; 27 Feb (3) Dyer Co. (WGC). **Canvasback:** 8 Jan (400+) Rlft L (MAG). **Redhead:** 21 Dec/8 Jan (102/12) Rlft L (MAG). **Ring-necked Duck:** 18 Dec/ 29 Jan (approx 1,000 max) Burnt Wds (WGC); 21 Dec (1825) Rlft L CBC. **White-winged Scoter:** 23 Jan (3) Pickwick S P (MAG, JRW); 30 Jan/3 Feb (1 m, 1 f) Everett's Lake, Dyer Co. (WGC). **Black Scoter:** 23 Jan (1) Pickwick S P (MAG, JRW). **Greater Scaup:** 21 Dec (1 m) MS River, Rlft L CBC; 5 Feb (1 m, 2 f) Pickwick S P (MAG); 26 Feb (2) Robco Lake, Shelby Co. (MAG, JBG, GBB, JRW). **Common Goldeneye:** 29 Jan-13 Feb (150+) Rlft L, Lake Co. (WGC). **Common Merganser:** 21 Dec (5) Rlft L CBC; 8 Jan (1) Rlft L, Lake Co. (MAG). **Red-breasted Merganser:** 5 Dec/27 Feb (10 max) Rlft L (MAG); 5 Feb (4) Pickwick S P (MAG); 27 Feb (1) Dyer Co. (WGC). **Ruddy Duck:** 2 Jan (3500) Rlft L (MAG, LPH).

Vulture-Falcon: **Black Vulture:** 18 Dec/8 Feb (15/22) Long Point/Walnut Log (WGC). **Turkey Vulture:** 24 Dec (1) Memphis; 27 Dec (1) Germantown (MLG); Feb 15 (1) e Shelby Co. (MLG). **Bald Eagle:** 2 Feb (2 ad, at nest) Lake Isom NWR, Lake Co. (WGC); 8/12 Feb (1 on nest) Miss. R. levee, just north of TN line in KY (WGC). **Sharp-shinned Hawk:** 12 Dec (1) Germantown (WRP); 18 Dec (1) Jackson CBC; 19 Dec (1) Memphis CBC; 21 Dec (2) Rlft L CBC; 25 Dec (1) Memphis Zoo (OKM); 27 Dec (1) Dresden CBC; 29 Jan (1) e Shelby Co. (MLG); 7 Feb (1) Gibson Co. (MAG). **Cooper's Hawk:** 16 Dec (1) Shelby Farms (MLG); 18 Dec (1) Jackson CBC; 25 Dec (1) Benton Co. (MAG, BLG); 27 Dec (2) Dresden CBC; 30 Dec (1) Carson Tract, Lauderdale Co. (CHB, TMI, MGW); 7 Jan (4) e Shelby Co. (Dale Bass); 19 Jan (1) ne Shelby Co. (Ray Wilson); 10 Jan (1 im) Shelby Farms (MLG); 7 Feb (1) Gibson Co. (MAG). **Red-shouldered Hawk:** 27 Dec (11) Dresden CBC; 28 Dec (6) Savannah CBC; 30 Dec (6) Chickasaw NWR (CHB, TMI, MGW); 7 Feb (1) Gibson Co. (MAG). **Golden Eagle:** 5 Dec (1) Long Point (WGC); 21 Dec (1 im) Rlft L CBC. **Merlin:** 19 Dec (1) n Shelby Co., Memphis CBC; 22 Dec (1) E Memphis (Dave Vance); 2 Jan (1) Raleigh, Shelby Co. (SCF); 16 Jan (1 m) Shelby Farms; 16 Jan (1 f) TEC (MLG). **Peregrine Falcon:** 3 Dec (1) Shelby Farms (MLG); 1 Dec-EOP (3) Memphis (OKM), three of the five hacked in summer of 1993.

Coot-Woodpecker: **American Coot:** 23 Dec/5 Jan (4/110) Burnt Wds/Samburg (WGC); 5 Jan (40+) Lauderdale WMA (WGC). **SANDHILL CRANE:** 30 Jan (1) Phillipy (WGC), there have been ten sightings in west TN (Dyer, Lauderdale, Union Cos.) since a large flock was first reported in the vicinity of the Shelby/Tipton line in 1820 by J.J. Audubon. **Greater Yellowlegs:** 25 Feb (4) Dyer Co. & 26/27 Feb (6/5) Lake Co. (WGC) early west TN. **Lesser Yellowlegs:** 6 Feb (1) Shelby Farms (MLG), early west TN: 17 (1) Obion Co. (WGC); 25 Feb (1) n Shelby Co. (DOM). **Least Sandpiper:** 21 Dec (2) Rlft L CBC. **Dunlin:** 17 Feb (1) Obion Co. (WGC). **Common Snipe:** 6 Jan (28) Obion Co. (WGC). **American Woodcock:** 5 Dec (1) Keely Mill Bottom, Gibson Co. (MAG); 6 Feb-EOP (2 pair) Iris Hill Farm, ne Shelby Co. (James Ferguson, SCF). **Bonaparte's Gull:** 1 Dec (25) Rlft L (MLG); 5 Dec/12 Feb (30/22) Rlft L, Lake Co., (40) Samburg (WCG); 19 Dec (1) Memphis CBC; 21 Dec (125) Rlft L CBC; 20 Dec (5) Chickasaw NWR/MS River (CHB, TMI, MGW); 2/8 Jan (100+ max) Rlft L (MAG, LPH); 16 Jan (1) MS River (MLG); 23 Jan/ 26 Feb (2000/1000) Pickwick S P (MAG); 13 Feb (1) Shelby Farms (MLG). **Ring-billed Gull:** 1 Dec (200) Rlft L (MLG) 21 Dec (1) Rlft L CBC (MAG); 2/8 Jan (3500+/7500+) Rlft L (MAG,LPH); 16/23 Jan (1000+) McKellar Lake/MS River, Shelby Co. (MLG); 23 Jan (1000+) Pickwick S P (MAG); 26 Feb (1000) McKellar Lake, Shelby Co. (MAG); 27 Feb (75+) TEC (VBR). **Herring Gull:** 11 Dec (1) Shelby Farms (MLG); 21 Dec (13) Rlft L CBC (LPH, Rebecca Irwin); 30 Dec (1) Chickasaw NWR/MS River (CHB, TMI, MGW); 2 Jan (500+) Rlft L (MAG, LPH); 16/23 Jan (2 ad, 3 im) MS River (MLG); 12/13 Feb (2/5) Lake Co. (WGC). **Glaucous Gull:** 23 Jan (1 1st winter) Pickwick S P (*MAG). ***Tern sp.:*** 21 Dec (1) Rlft L CBC (MAG). **Barn Owl:** 9 Dec (1) Rutherford, Gibson Co. (Eddie Wilbanks). **Short-eared Owl:** 28 Dec (1) Savannah CBC. ***Nighthawk sp.:*** 19-20 Dec (3/1) Memphis CBC, Overton Prk (Martha Heinemann/*NPM), first winter record. ***Hummingbird sp.:*** 18 Dec (1) Memphis (fide Nelle Moore). **Ruby-throated Hummingbird:** 1 Dec-21 Jan (1) Collierville, Shelby Co. (Norman & Patti Jester), continued from fall. **Red-headed Woodpecker:** 19 Dec (7) Memphis CBC. This number is up from last year. It is interesting to note that while this species has never been absent on a Memphis CBC, its number has fluctuated from one on several

CBCs to a high of 103 in 1936. Habitat has diminished greatly as there are very few forested areas remaining in the CBC area.

Crow-Shrike: **Fish Crow:** 21 Dec (2) Rlft L CBC (MAG). **Red-breasted Nuthatch:** 19 Dec (22) Memphis CBC; 27 Dec (4) Dresden CBC; 30 Dec (12) Chickasaw NWR (CBH, TMI, MGW). **Bewick's Wren:** 4/5 Dec (1) Shelby Farms (CHB, VBR, SNM). **House Wren:** 4 Dec (2) Shelby Farms (CHB, VBR, MGW); 19 Dec (4) Memphis CBC; 21 Dec (2) Rlft L CBC; 27 Dec (1) Dresden CBC. **Winter Wren:** 18 Dec (4) Jackson CBC; 19 Dec (10) Memphis CBC; 21 Dec (1) Rlft L CBC; 27 Dec (12) Dresden CBC; 26 Dec (1) Shelby Farms (VBR); 28 Dec (7) Savannah CBC; 30 Dec (1) Chickasaw NWR (CHB). **Sedge Wren:** 19 Dec (2) Memphis CBC (GRP, JBP, EJR, Ron Griffin), fifth CBC record; 28 Dec (1) Savannah CBC; 8 Jan (1) Shelby Farms (MLG); 8 Jan (1) Dyer Co. (MAG). **Marsh Wren:** 21 Dec (2) Rlft L CBC; 2 Jan (1) Samburg (MAG, LPH). **BLUE-GRAY GNATCATCHER:** 27 Dec (1) Savannah CBC (*Jeff Garner, Lisa Austin, Cherry Lynn Sullivan). **Hermit Thrush:** 19 Dec (10) Memphis CBC; 21 Dec (14) Rlft L CBC; 27 Dec (2) Dresden CBC; 30 Dec (7) Chickasaw NWR (CHB, TMI, MGW). **Loggerhead Shrike:** 18 Dec (6) Jackon CBC; 19 Dec (23) Memphis CBC, a recent high after a steady decline since a high of 28 in 1988 on the Memphis CBC. The number of shrikes has fluctuated from the single digits to as many as mid fifties over the last forty years. Could the high number this year be more northern birds visiting because of the extreme weather conditions to the north?; 21 Dec (16) Rlft L CBC.

Pipit-Siskin: **American Pipit:** 12 Dec (9) TEC (MGW); 19 Dec (11) Memphis CBC; 21 Dec (4) Rlft L CBC; 5 Feb (2) Pickwick S P (MAG). **Solitary Vireo:** 18 Dec(1) Jackson CBC (Bill & Joyce Reinke); 19 Dec (1) Memphis CBC (*SNM, NPM); sixth CBC record. **Palm Warbler:** 19 Dec (1) Memphis CBC (DDP, Van Harris), fifth CBC record. **Common Yellowthroat:** 19 Dec (1) Memphis CBC (GRP, JBP, EJR, Ron Griffin), fourth CBC record. **Rose-breasted Grosbeak:** 27 Dec (2 ad fe) Dresden CBC (*Donald Doster). **American Tree Sparrow:** 1 Dec (2) Rlft L, Lake Co. (MLG); 21 Dec (5) Rlft L (LPH, Rebecca Irwin); 27 Dec (1) Dresden CBC; 2 Jan (3) Burnt Wds (MAG, LPH). **Vesper Sparrow:** 19 Dec (2) Memphis CBC; 27 Dec (1) Dresden CBC; 28 Dec (12) Savannah CBC; 18 Feb (1) Shelby Farms (MLG); 26 Feb (2) President's Is. (MAG). **LeConte's Sparrow:** 4 Dec (1) Shelby Farms (VBR, MGW); 19 Dec (1) Memphis CBC; 28 Dec (3) Savannah CBC; 8 Jan (1) Shelby Farms (MLG). **Lincoln's Sparrow:** 28 Dec (1) Savannah CBC. **Lapland Longspur:** 21 Dec (2) Rlft L (MAG). **Smith's Longspur:** 4 Dec (1) Shelby Farms (MLG). **Western Meadowlark:** 19 Dec (1) Memphis CBC. Brewer's Blackbird: 27 Dec (6) Dresden CBC; 6 Feb (1 m) Shelby Farms (MLG). **Purple Finch:** 27 Dec (2) Dresden CBC; 22 Jan (15-20) ne Shelby Co. (Ray Wilson); 31 Jan/18 Feb (2 max) Memphis (SNM); 5 Feb (1) Savannah Bottoms, Hardin Co. (MAG). **Pine Siskin:** 18 Dec (2) Jackson CBC; 30 Dec (3) Chickasaw NWR (CHB, TMI, MGW); 21 Dec (1) Rlft L CBC; 28 Dec (1) Savannah CBC; 29 Jan (2) e Shelby Co. (MLG).

Locations: See page 65.

MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38119

HIGHLAND RIM AND BASIN REGION: Winter featured several periods of bitter cold, a very destructive ice storm in February, but very little snowfall. An American White Pelican on Old Hickory Lake was the first to winter in the region.

A Brant was reported from Coffee County, a Surf Scoter spend one month on Radnor Lake, and two Merlins were seen near Percy Priest Reservoir where one bird has wintered the past five years. There were numerous records of migrating Sandhill Cranes and two Gray Catbirds attempted to stay north for the winter. Irruptive species were uncommon with a few Red-breasted Nuthatches remaining from the Fall invasion, but only a small number of Purple Finches were present, and Evenings Grosbeaks were decidedly scarce.

Pelican-Woodpecker: **American White Pelican:** 3 Dec to end of season (1) found at Metro Center, then moved to Drakes Creek on Old Hickory Lake (GAF, m.ob.), first overwintering record in state. **Double-crested Cormorant:** 22 Jan (1) Woods Res. (DLD). **Tundra Swan:** 31 Dec-1 Jan (1 im) Woods Res. (DLD). **Greater White-fronted Goose:** 4 Dec (7) Woods Res. (DLD, Mark Kelly); 26 Dec (26) Woods Res. (Mark Kelly). **Snow Goose:** 4-5 Dec (1 im) Metro Center (fide TJW); 10 Dec (1 white, 2 blue) Woods Res. (DLD); 27 Dec (1) Williamson Co (Scott Lovell). **BRANT:** 3 Dec (1) Coffee Co (Mark Kelly). **Surf Scoter:** 1-27 Dec (1) Radnor L. (TJW, m.ob.). **Common Merganser:** 22 Jan (11) Woods Res. (DLD); 1 Feb (648) Normandy Res., Coffee Co, (180) Tims Ford Res., Franklin Co, & (20) Cheatham Res., Cheatham Co (RLW), very high numbers for region, seen on aerial survey. **Red-tailed Hawk:** 22 Feb (1 im) Moore Co (Mark McNeese), rescued from barbed wire fence, had been banded 1 Nov 1993 in Ontario, Canada. **Golden Eagle:** 7 Jan (2) Cordell Hull Res., Jackson Co (fide TJW). **Merlin:** 1 Jan (2) Anderson Road Recreation Area, Percy Priest Res., Davidson Co (FJM, Marge Williams); 6 Jan (1) Nashville (Bob Brayden). **Sora:** 21 Dec (2) Monsanto Ponds, Columbia CBC. Sandhill Crane: 27 Dec (34) Williamson Co (Laura Knox); 18 Feb (400) & 28 Feb (200) Putnam Co (RWS). **Barn Owl:** 30 Dec (1) Warren Co (SNM). **Common Nighthawk:** 8 Dec (1) Shelby Park, Davidson Co (Galen Lenhert), late. **Rufous Hummingbird:** 1-4 Dec (1) Nashville (fide TJW), coming to feeder.

Nuthatch-Finch: **Red-breasted Nuthatch:** 21 Dec (22) Cookeville CBC, max. **Gray Catbird:** 27 Dec (1) Radnor L. (Hazel Cassel, m.ob.); 8 & 22 Jan (1) Franklin Co (DLD), rare in winter. **Brown Thrasher:** 7 Jan (1) Davidson Co (MLM). American Pipit: 22 Jan (70) Franklin Co (DLD). **Common Yellowthroat:** 27 Dec (1) Davidson Co (Jerry Drewry). **American Tree Sparrow:** 16 Jan (2) Ft. Campbell, Montgomery Co (fide TJW). **LeConte's Sparrow:** 27 Dec (1) Franklin Co (CAS, Bill Cowart, Hazel Cassel). **Yellow-headed Blackbird:** 16 Dec (1) Robertson Co (ATT, MLM). **Purple Finch:** 22 Jan (19) Woods Res. (DLD); 10 Feb (11) & 24 Feb (14) Putnam Co (RWS).

Locations: See page 65.

TERRY J. WITT, 507 Highland Terrace, Murfreesboro, TN 37130

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: The weather this winter was quite varied. A mild late fall continued until mid December, when seasonable temperatures returned. Mid to late January was bitterly cold (to -8°F on the 19th in Johnson City); but mid February was rather warm, with several days of 60+°F. Precipitation was well above normal throughout the region. Measureable snowfall was recorded eight times in Johnson City, back to near normal after several winters of little or none. Significant amounts of ice formed on regional lakes during January. February was the wettest on record for that month, with 7+ inches of rain causing some flooding.

The birdlife present this winter was as varied as the weather. Lingering species included House and Sedge Wrens, three warbler species, and Blue-winged Teal. Virginia Rails wintered in the northeast. Frugivores were common and a modest incursion of boreal finches and nuthatches continued from Fall. The arctic blast in January concentrated grebes, ducks, gulls, and Bald Eagles. Notable numbers of Canvasback, Oldsquaw, scoters, Common Goldeneye, and Common Merganser were reported. Tennessee's first Little Gull and Allen's Hummingbird were documented. Other rarities included Red-necked Grebes, White-fronted Geese, Great Black-backed Gulls, another *Selasphorus* hummingbird, and Lapland Longspurs.

Loon-Heron: **Common Loon:** 30 Jan (50) Chick L (RJH), max; 4 Feb (13) Cher L (RLK). **Pied-billed Grebe:** 31 Dec (146) Nick L (fide RJH), max. **Horned Grebe:** 30 Jan (50) Chick L (RJH); 4 Feb (127) Cher L (RLK); 11 Feb (10) Boone L (RLK). **Red-necked Grebe:** 21 Jan/6 Feb (2/1) Ft Loud L (Marcia Davis/ACC); 23 Jan/6 Feb (1) Boone L (RLK/Lloyd Jones). **Double-crested Cormorant:** late Jan-Feb (8) Chick L (RJH et al.); 8 Feb (5) Doug L (RLK); all winter (6-12) Kpt (JWC, LCM et al.). **American Bittern:** 24 Jan (1) Brainerd Levee, Hmlt Co (BGM). **Black-crowned Night-Heron:** all winter (5) Kpt (JWC, LCM et al.).

Waterfowl: **Greater White-fronted Goose:** 12 Feb-17 Mar (7-3) vicinity of UT Plant Science Farm, Knox Co (Boyd Sharp et al.). **Snow Goose:** 18 Dec (1 white) Wash Co (RLK); one lingered from early Mar 1993 through summer until at least late Feb 1994 on a farm pond near Johnson City (JWN, RLK); mid Dec-mid Mar (2-4) Clear Creek L, Bristol, Va. (JWC et al.). **Blue-winged Teal:** 29 Dec (1) Clear Creek L, Bristol, Va. (Ken Hale, Bert Hale); 4 Jan-late Feb (1-8) Tusculum, Greene Co (DHM, ACL); rare in winter. **Gadwall:** 31 Dec (514) Nick L (fide RJH), max; 27 Jan (90) Kpt (RLK), good number there. **Canvasback:** 15 Jan (6) Nick L (RJH); 20 Jan/6 Feb (14/27) Ft Loud L (Marcia Davis/ACC); 22 Jan (6) Tusculum, Greene Co (DHM, ACL); 23 Jan-2 Feb (3-21) Boone L (RLK, Lloyd Jones); 27 Jan (1) Kpt (RLK); 4 Feb (35) Cher L (RLK); above average number of reports. **Redhead:** 26 Feb (*71) Ft Loud L (ACC), max; numerous reports of 1-10 birds elsewhere (m.ob.). **Ring-necked Duck:** 31 Dec (213) Nick L (fide RJH), max; above average numbers in Bristol area from late Jan-mid Feb (JWC et al.). **Greater Scaup:** 24 Jan-11 Feb (1-3) Boone L (FJA, RLK). **Lesser Scaup:** 29 Jan (250) Chick L (RLK et al.); 4 Feb (181) Cher L (RLK). **Oldsquaw:** 12 Dec (6) Tellico L, Loudon & Monroe Cos (Rusty Dunn); 29 Jan (1) Chick L (TLR et al.); 8 Feb (5) Doug L, Sevier Co portion (RLK). **Surf Scoter:** 12 Dec (7) Tellico L, Loudon & Monroe Cos (Rusty Dunn); 1-9 Jan (1-2) Chick L (TLR, RJH et al.); 30-31 Jan (1) Ft Loud L (ACC et al.); 4 Feb (1) Cher L (RLK). **White-winged Scoter:** 4 Feb (1) Cher L (RLK). **Common Goldeneye:** 29 Jan (200) Chick L (RLK et al.); 30 Jan-11 Feb (10-18) Boone L (JWC, RLK); 4 Feb (285) Cher L (RLK); 8 Feb (25) Doug L (RLK); most in several years. **Common Merganser:** 22 Jan (2) Ft Loud L (Marcia Davis); 23 Jan (2 m, 5 f) Boone L (RLK); 28-29 Jan (4 f) Chick L (TLR et al.). **Hooded Merganser:** 24 Dec (167) Bristol (JWC), max. **Ruddy Duck:** 31 Dec (78) Nick L (fide RJH), max.

Eagle-Woodpecker: **Bald Eagle:** 9 Dec (1) Greene Co (Wes Hayes); above average numbers on regional lakes, especially during Jan-Feb cold spell. **Merlin:** 30 Dec (1) Wash Co (BLC). **Peregrine Falcon:** 1 Jan (1) Johnson City (JWN). **Virginia Rail:** 5 Dec (1) Meadowview Marsh, Kpt (JWC, LCM); 26-31 Dec (1) small marsh near Bristol, Sullivan Co (RLK et al.); 31 Dec (1) small marsh at Tri-Cities Regional Airport,

Sullivan Co (RLK); 27 Jan (2) Phipps Bend, Hawkins Co (RLK); may prove to winter regularly if searched for. **American Coot:** 31 Dec (4000) Nick L (fide RJH), max. **Sandhill Crane:** 14 Jan-Feb (800 max) Hmlt Co (KHD, LHD). **Least Sandpiper:** 29 Jan (1) Chick L (FJA, RLK). **LITTLE GULL:** 19 Jan-13 Feb (1 ad) Chick L (Bill Hayes, m.ob., *RLK), first state record. **Bonaparte's Gull:** 18 Dec (200) Chick L (fide RJH); 4 Feb (150) Cher L (RLK). **Ring-billed Gull:** 4 Feb (2700) Cher L (RLK); 8 Feb (2300) Doug L (RLK); 11 Feb (750) Boone L (RLK); 12 Feb (5000) Chick L (RJH). **Herring Gull:** 30 Jan (17) Boone L (JWC); 4 Feb (50) Cher L (RLK); 8 Feb (30) Doug L (RLK); 12 Feb (50) Chick L (RJH). **Great Black-backed Gull:** 23 Jan-13 Feb (1 ad) Chick L (ACC, m.ob.); 8 Feb (1, first winter plumage) Douglas Dam, Sevier Co (*RLK). **Barn Owl:** 2 Jan (1) Bristol (JWC). **ALLEN'S HUMMINGBIRD:** 30 Oct-5 Jan (1 im, m) Soddy-Daisy, Hamilton Co (banded 27 Dec by Bob & Martha Sargent*), first state record. ***Selasphorus* sp.:** 1 Nov-18 Jan (1) southern Hamilton Co (fide RJH), thought to be Rufous. **Red-headed Woodpecker:** 4 reports in Greene Co (PHB, JBH, RLK).

Passerines: **Eastern Phoebe:** good numbers all season, even thru cold period, in Johnson City-Greene Co area (fide RLK, JBH). **Horned Lark:** 5 Dec (6) Phipps Bend, Hawkins Co (JWC, LCM); 9 Jan (200) Wash Co (JWB), max there; 12 Feb (25) Marion Co (RJH). **Common Raven:** 9 Jan (5) Holston River/Bays Mountain, Hawkins Co (JWC). **Red-breasted Nuthatch:** small numbers scattered thru region. **Brown-headed Nuthatch:** 18 Dec (14) Hmlt Co (fide RJH), max. **House Wren:** 3 Dec (1) Wash Co (RLK); 31 Dec (1) near Patrick Henry L on Kpt CBC (RLK). **Sedge Wren:** 7 Dec (1) Bowmantown, Wash Co (RLK), first Johnson City area winter record. **American Robin & Cedar Waxwing:** good numbers all season. **American Pipit:** 19 Jan (36, in 2 flocks) Wash Co (Rad Mayfield, RLK), feeding in road due to heavy snow cover; 8 Feb (15) Rkn Bot, Cocke Co (RLK); 13 Feb (11) Marion Co (TLR). **Loggerhead Shrike:** only 10 reports all season in Johnson City area; 24 Jan/19 Feb (3-4) Greene Co (PHB). **Palm Warbler:** 12 Dec (1) Boone Dam, Sullivan Co (LCM). **Common Yellowthroat:** 3 Dec (1 f) Conklin, Wash Co (RLK). **Wilson's Warbler:** 25 Dec-3 Jan (1) Greeneville (*PHB). **Chipping Sparrow:** all winter (1-3) Gray, Wash Co (Shirley Wayland). **Savannah Sparrow:** all winter (1-40) at 5 sites in Wash & Sullivan Cos (RLK et al.). **Lapland Longspur:** 13-20 Feb (1-2) UT Plant Science Farm, Knox Co (*ACC et al.). **Purple Finch:** scarce all season. **Pine Siskin:** small numbers unevenly scattered thru region. **Evening Grosbeak:** small numbers irregular through region.

Locations: See page 65.

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EASTERN MOUNTAIN REGION: It was a very wet winter. December and January were above normal precipitation. February had over 8 inches of precipitation with 5+ inches of rain falling in a four day period. Temperatures dropped below zero from January 16th through 19th. Minus 14°F was recorded at Elk Mills in Carter County on the 19th. Open water, especially ponds, was frozen more than usual this year. Tributaries into Watauga Lake remained frozen through late January. This was a better winter than recent ones for northern finches, although they were scattered and inconsistent.

Loon-Merganser: **Common Loon:** 26 Dec (1) S. Hol. L. (JWC, TFL, RAP); thru 28 Jan (1) Wat. L. (RLK). **Horned Grebe:** 26 Dec (1) S. Hol. L. (JWC, LCM); 28 Jan (6) Wat. L. (RLK). **Red-necked Grebe:** 13 Feb (1) Eliz. (JWC, LCM, m. ob.), grounded

on a wet parking lot; it was captured, banded, photographed, then released on Wilbur L.; 27 Feb (2) S. Hol. L. (JWC, LCM), VA. side. **Great Blue Heron:** 26 Dec (26) Bristol CBC (BBC), high. **Canada Goose:** 21 Jan (271) S. Hol. L. (RPL), max., all in one field. **Wood Duck:** 12 Dec (3) Shady V. (JWC, JLS). **American Black Duck:** 26 Dec (33) S. Hol. L. (BBC); 28 Jan (37) Roan Cr. (RLK); none on Wilbur L. all period. **Mallard:** 26 Dec (809) Bristol CBC (BBC), high. **Northern Pintail:** 28 Jan (3) Roan Cr. (RLK). **Gadwall:** 26 Dec (7) S. Hol. L. (JWC, RAP, TFL). **American Wigeon:** 27 Feb (7) S. Hol. L. (JWC, LCM). **Redhead:** 6/27 Feb (1/4) S. Hol. L. (JWC, LCM). **Greater Scaup:** 8 Dec thru 22 Feb (1-2) Wilbur L. (RLK, CFW). **Surf Scoter:** 17-19 Dec (1) Wilbur L. (RLK et al.). **Bufflehead:** 26 Dec (63) S. Hol. L. (JWC, TFM, RAP); 13 Jan (85) Wilbur L. (RLK), max. **Hooded Merganser:** 14 Dec (18) Roan Cr. (RLK, LCM), max. **Red-breasted Merganser:** 27 Feb (1) S. Hol. L. (JWC, LCM).

Eagle-Sapsucker: **Bald Eagle:** 14 Dec (1 ad) Roan Cr. (RLK, LCM); 26 Dec (1 im) S. Hol. L. (JWC, TFL, RAP); 9 Jan (1 ad/1 im) Watauga L./S. Hol. L. (JWC, LCM); 28 Jan (2 ad) Roan Cr. (RLK). **Northern Harrier:** 26 Dec (1) S. Hol. L. (RPL). **Red-shouldered Hawk:** 16 Jan (1) Shady V. (JLS). **Peregrine Falcon:** 7 Jan (1) Watauga L. (GOW). **Wild Turkey:** 29 Dec/1 Jan (15/23) Shady V. (JLS, LAS). **Northern Bobwhite:** very scarce this winter. **American Woodcock:** 20 Feb (2) Cross Mtn. (JLS, LAS). **Bonaparte's Gull:** 15 Jan (6) S. Hol. L. (JWC, LCM). **Ring-billed Gull:** 20 Feb (400+) S. Hol. L. (RPL), high. **Herring Gull:** 28 Jan (2) Roan Cr. (RLK). **Red-headed Woodpecker:** 12 Dec (1 im) Cades Cove (RPL). **Yellow-bellied Sapsucker:** very good numbers all winter.

Phoebe-Grosbeak: **Eastern Phoebe:** good numbers even during extreme cold. **Red-breasted Nuthatch:** 12/19 Dec (5) Backbone Rock, Johnson Co. (JWC, JLS, LAS); 17 Feb (22) Roan Mt. (RLK). **White-eyed Vireo:** 17 Dec (1) Sycamore Shoals State Park, Carter Co.(JWN). **Snow Bunting:** 1 Dec (3) Hump Mtn., Carter Co. (Ed Schell). **Chipping Sparrow:** 19 Dec (5) Butler, Johnson Co. (FJA, DEH, TM). **Fox Sparrow:** 15/18 Jan (1) Hol. V. (RPL). **Purple Finch:** thru EOP (5-30) at Hol. V. (RPL). **Pine Siskin:** 11 Dec (250) Hampton, Carter Co. (TSM), max. **COMMON REDPOLL:** 19 Jan (1) Erwin, Unicoi Co. (GWS), at feeder for 10 minutes. **Evening Grosbeak:** 12 Dec (6) Cades Cove (RPL); 26 Dec thru EOP (10 to 200) Shady V. (JLS); 27 Dec (50) Roan Mt. (JWN), max there; 26 Jan-8 Feb (40) Milligan College, Carter Co. (RM); thru period (50) Rock Creek, Unicoi Co. (RPL).

Locations: See page 65.

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OBERVERS
See page 67.

THE MIGRANT

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NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of 1994. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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GREEN HERONS FEED BY DIVING INTO DEEP WATER

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While fishing on Cherokee Lake, in northeast Tennessee, on 3 August 1985 I observed some Green Herons (*Butorides virescens*) engaged in unexpected feeding methods. About a dozen Green Herons were standing or stalking along 150 m of shoreline, typical behavior for this species (Kushlan 1976). However, at least three of these herons were also seen to fly out from shore and dive into dense schools of small fish. On these flights, the herons ventured as much as 30 m out from shore to areas where the water depth ranged up to 12 m (determined by a depth-finder on the boat). The flights reached heights of 1-3 m, from which the herons would either flutter feet first onto the water surface and stab at fish with their bills or dive head first into the schools of fish. After each capture attempt the herons flew back to shore. More than 15 such flights were observed, with about two-thirds successful. Their prey were small shad (*Dorosoma* sp., 5-10 cm long), which are abundant, pelagic forage fish in this reservoir. This behavior was seen again in August 1986 in the same area.

I noted a similar incident while fishing at Boone Lake, also in northeast Tennessee, on 18 August 1992. Of five Green Herons perched on logs floating in the lake, one heron flew out, about 2 m above the water, and plopped feet first into the water and stabbed at a school of fish. A shad about 10 cm long was caught and carried to a nearby log, then swallowed. The water depth here was not measured, but probably was no more than 3-4 m.

In a review of heron feeding behavior, Kushlan (1976) attributed nine techniques to the Green Heron, calling it one of the least versatile of the typical day herons. Besides standing and stalking, Green Herons forage by baiting, standing flycatching, foot stirring, foot raking, diving (from a perch), jumping, and swimming feeding (*op. cit.*). The behaviors described above from Cherokee and Boone Lakes fit Kushlan's (1976) definitions for feet first diving (i.e., alight feet first, usually from a hovering position, and stab at prey) and plunging (i.e., dive head first from forward flight or a hovering position). Both methods are generally used in water too deep for wading. Although neither was ascribed to Green Heron by Kushlan (1976), plunging was mentioned as being used by the superspecies "Green-backed Heron" (*B. striatus*) by Hancock and Kushlan (1984).

Plunging and feet first diving by Green Herons, as observed at two east Tennessee reservoirs, apparently represent adaptation to take advantage of an abundant food source that is not always available to them when wading or perched along the shore. The observations reported here were all made in August, at a season in which large schools of shad swim near the surface, but often in deeper open water out from shore.

I thank James Kushlan for reviewing this note.

LITERATURE CITED

Hancock, J. and J. Kushlan. 1984. The Herons Handbook. Croom Helm, London.

Kushlan, J.A. 1976. Feeding behavior of North American herons. *Auk* 93:86-94.

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The Migrant, 65 (3): 49, 1994.

ABANDONED BANK SWALLOW COLONY PROBABLE IN CANNON COUNTY, TENNESSEE

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In Tennessee, Bank Swallows (*Riparia riparia*) nest primarily in steep banks overlooking the Mississippi River in the west, and recently, have established colonies in human caused habitats, such as fly ash piles, in the east. (Nicholson in press). Middle Tennessee breeding season records are very rare; apparently, the only records were on Shoal Creek in Lawrence County in the early 1980s (Stedman 1986) and on Carson Creek in Cannon County in 1984 (Stedman 1984). In this note, I provide details regarding the observations from Cannon County and correct errors which occurred in the original report.

I conducted surveys for breeding birds in Middle Tennessee during the spring and summer of 1984 for the Ecological Services Division, Tennessee Department of Conservation. During the late afternoon of 22 May 1984, I discovered 32 Bank Swallow burrows about 2 m (6 ft) above the water in a highly eroded bank on Carson Creek near Culpepper, Cannon County, Tennessee. However, no Bank Swallows were observed. Closer investigation revealed that many of the burrows appeared shallow because of obstructions caused by rocks and tree trunks. Many of the deeper burrows had grass growing across or in the entrance.

On 25 May 1984, I revisited the area and explored Carson Creek and tributaries for approximately 5 km (3 miles) around the inactive colony, in case the colony had moved to a nearby location. Although suitable banks for nesting were discovered, there were no indications of current or previous nesting attempts by Bank Swallows. A final visit was made to the burrows on 26 May 1984. On all visits, a pair of Northern Rough-winged Swallows was present in most suitable nesting habitats.

I can only speculate that this was an attempted nesting by Bank Swallows in Middle Tennessee; I know of no other species or natural occurrence that would replicate the appearance of an inactive Bank Swallow colony. If this discovery was a past attempt for Bank Swallow nesting, it apparently represents one of only two known Bank Swallow colonies in Middle Tennessee.

Finally, there were two discrepancies regarding this observation as reported in 1984 (Stedman 1984). The correct number of burrows observed was 32 and the correct date of discovery was 22 May 1984. I regret the error.

LITERATURE CITED

Nicholson, C.P. in press. *An Atlas of the breeding birds of Tennessee.* University of Tennessee Press, Knoxville.

Stedman, S.J. 1984. The season: central plateau and basin region. *Migrant* 55:88-93.

Stedman, S.J. 1986. The season: highland rim and basin region. *Migrant* 57:104-111.

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THE SEASON

Richard L. Knight, Editor

SPRING: 1 MARCH - 31 MAY 1994

WESTERN COASTAL PLAIN REGION: The 1994 Spring Season met all expectations. The mild weather neither hindered nor enhanced the number of species observed throughout West Tennessee. Observations on wildlife management areas and refuges confirmed the anticipated waterfowl numbers and departures. The American White Pelicans along the Mississippi River sustained their presence in good number. A Reeve was recorded in Dyer County for a new record in that county. Observers recorded a diverse population of shorebirds in wetland areas. An American White Pelican, Snowy Egret, and Caspian Tern established early arrival dates while a Golden-crowned Kinglet and a LeConte's Sparrow established late dates. The river counties, other counties, and the treatment lagoons at Memphis produced an interesting array of birds found throughout the season.

Grebe-Duck: **Horned Grebe:** 26/27 Mar (1/1) Samburg/ Lake Co. (WGC). **Eared Grebe:** 26 Mar (1) Hardeman Co. (BHW). **American White Pelican:** 6 Mar (95) Ensley Bottoms (MGW, VBR, CHB), early Shelby Co.; 19 Mar (60) TEC (CHB, VBR); 26/28 Mar (21/285+) Mustin Bottoms, Shelby Co. (Pat Keiran); 22 Mar-9 Apr (200 max) Dyer Co. (WGC); 22 Mar-23 Apr (209+ max) Lake Co. (WGC); 8 Apr (17) Rlft L, Obion Co. (MAG). **Double-crested Cormorant:** 1/25 Apr (600 max) Lake Co. (WGC); 13 Apr (205+) Dyer Co. (WGC). **American Bittern:** 28 May (1) TEC (JF, GBB). **Least Bittern:** 21- 28 May (1) TEC (MLG, WRP, JF, GBB); 7 May (1) Lake Co. (MAG). **Snowy Egret:** 27 Mar (4) Everett Lake, Dyer Co. (WGC), early TN record. **Tri-colored Heron:** 6 May (1 ad) Dyer Co. (WGC); 7 May (1) Lake Co. (MAG). **Black-crowned Night-Heron:** 5 Apr-EOP (12 max) Dyer Co.; 7 May (2) Obion Co. (MAG); 17 May-EOP (12) Lake Co. (WGC, MAG). **Yellow-crowned Night-Heron:** 29 Mar-EOP (30 ad, 13 nests, 15 yg) midtown Memphis (OKM, MaH, MGW); 7 May (3) Obion Co. (MAG). **Mute Swan:** 26 Mar (1 ad) Robco Lake, sw Shelby Co. (MLG). Ruddy Duck: 23 Mar/7 May (600+/2) Robco Lake, sw Shelby (MLG, MAG).

Osprey-Woodpecker: **Osprey:** 26 Mar (1) TEC (CHB, VBR, MGW), early Shelby Co.; 26 Mar/7 May (1) Samburg (WGC); 26 Mar/ 14 Apr (1/on nest) Gray's Camp, Rlft L, Lake Co.; 9/14 Apr (1) Levee Rd, Lake Co. (WGC); 9 Apr/17 May (1) Dyer Co. (WGC); 16 Apr (1) Decatur Co. (CHB); 16/27 Apr (2/1) Hatchie NWR (MTOS). **Mississippi Kite:** 10 Apr (1) TEC (LCC, CHB, VBR, MGW); 29 Apr (2) Lake Co. (WGC); 17 May (5) Overton Prk (OKM); 29 May (26) n Memphis (LCC, CHB, DoM, VBR, MGW). **Bald Eagle:** 26 Mar/25 Apr (on nest/2 yg) Lake Isom NWR, Lake Co. (WGC); 26 Mar/21 May (2ad, 2yg) Lake #9, KY (WGC). **Sharp-shinned Hawk:** 6

Mar (1) Ensley Bottoms (MGW, VBR, CHB); 17 Mar (1) e Shelby Co. (MLG); 30 Mar (1) Gibson Co. (MAG); 9 Apr (1) TEC (George Payton, John Odgen, LCC); 7 May (1) Burnt Wds (MAG). **Cooper's Hawk:** 2 Mar (1) Gibson Co. (MAG); 13 Mar (1) MLK Park (OKM); 2 Apr (1) e Shelby (MLG). Merlin: 23 Apr (1 m) Crockett Co. (MAG). **Peregrine Falcon:** 14 Apr (1) Is. 13 & 25 Apr (1) Long Pt. Rlft L, Lake Co. (WGC); 7 May (1) Obion Co. (MAG). **Sora:** 27 Apr (1) Hatchie NWR (HBD, SSL, JPM, VBR, BHW). **Common Moorhen:** 25 Apr-1 May (2) Kirby Pocket, Rlft L, Obion Co. (WGC, MAG); 7 May (3) Rlft L NWR (MAG).

Shorebirds: **Black-bellied Plover:** 23 Apr/26 May (3 max) Lake Co. & 6/26 May (18 max) Dyer Co. (WGC). **American Golden-Plover:** 13 Mar/9 Apr (106+ max) Dyer Co. & 22 Mar/21 May (114 max) Lake Co. (WGC); 26 Mar/17 Apr (16 max) TEC (MLG); 7 May (1) Lake Co. (MAG). **Black-necked Stilt:** 2 Mar-EOP (36+, 9 nests) TEC (Aaron Gwin, LCC, VBR, CHB, MGW); 29 May (18 ad, 9 yg, 7 nests) n Memphis (LCC, CHB, DoM, VBR, MGW); 25 Apr-EOP (11+) three locations, Lake Co.(WGC); 31 May (1 nest with 4 eggs) Is. 13 (WGC); 11 May (2) Dyer Co. & 12 May (2) 78 N and Obion River, Dyer Co. (WGC). **Solitary Sandpiper:** 19 Mar (1) TEC (CHB, VBR), early. Willet: 25 Apr (23) Is. 13 (WGC); 7 May (2) Burnt Wds, (MAG). **WHIMBREL:** 26 May (5) Lake Co. (WGC). **Western Sandpiper:** 6 May (25) Shelby Farms (MLG). **White-rumped Sandpiper:** 7 May (1) TEC (MAG); 12/21 May (14 max) Lake Co. (WGC); 16/20 May (5 max) Dyer Co. (WGC); 28 May (20) TEC (DoM, VBR, MGW). **Baird's Sandpiper:** 10 Apr (1) Shelby Farms (MLG). **Pectoral Sandpiper:** 3 Mar (2) Shelby Farms (VBR); 11 Mar (22) Dyer Co. & 12 Mar/8 Apr (2000+ max) Lake Co. (WGC). **Dunlin:** 1 Apr/27 May (26 max) Lake Co. (WGC); 6/17 May (59 max) Dyer Co. (WGC); 6 May (3) Shelby Farms (MLG). **RUFF:** 11 May (1 f) Dyer Co. (WGC), first record for county. **Wilson's Phalarope:** 10 Apr-8 May (2) TEC (VBR, LCC, CHB, MGW).

Tern-Woodpecker: ***Sterna sp.:*** 14 Apr (8) Lake Co. & 6 May (4) Dyer Co. (WGC). **Caspian Tern:** 5 Apr-11 May (8 max) Dyer Co. (WGC) early west TN; 14 Apr-12 May (8 max) Is. 13 (WGC). **Common Tern:** 1 May (26) Lake Co. (MAG). **Forster's Tern:** 20 Apr (1) Shelby Farms (VBR); 25 Apr-16 May (15 max) Lake Co. (WGC, MAG). **Least Tern:** 6/8 May (1/18) Dyer/Lake Cos. (WGC). **Black Tern:** 7 May (14) Lake Co. (MAG); 16 May (4) Lake Co. (WGC). **BARN OWL:** 7 May (1) Rutherford, Gibson Co. (MAG); 16 Apr (2) e Shelby Co. (MLG). **Red-headed Woodpecker:** 23 Mar (2 ad, 1 yg) midtown Memphis (LCC, MAH), first known nesting in midtown in fifteen years.

Flycatcher-Vireo: **Olive-sided Flycatcher:** 7 May (1) Lake Co. (MAG); 25 May (1) Shelby Farms (VBR). **Yellow-bellied Flycatcher:** 7 May (1) Obion Co. (MAG); 8 May (1) Shelby Farms (MLG). **Willow Flycatcher:** 7 May (2) two locations, Obion Co. (MAG); 17 May (1) Shelby Farms (VBR, LVZ). **Least Flycatcher:** 7 May (1) Dyer Co. (MAG); 7-9 May (2) Shelby Farms (VBR, MTOS). **SAY'S PHOEBE:** 7 May (1) Phillipy (MAG). **Tree Swallow:** 3/26 Mar (10/175) Rlft L, Obion Co. (WGC). **Bank Swallow:** 16 Apr (2) Shelby Farms (WRP); 23 Apr (2) Dyer Co. (WGC); 12 May (135 nests) Lake Co. (WGC). **Fish Crow:** 26 Mar-12 May (6) Rlft L S P (WGC); 13 Apr-6 May (1) Dyer Co. (WGC); 16 Apr (1) Hatchie NWR (MTOS); 14 May (3) Overton Park, Memphis (LCC, MAH). **Golden-crowned Kinglet:** 24 Apr (1) Mud Island, Shelby Co. (WBF, LCC), late Shelby date. **Yellow-throated Vireo:** 16 Apr (1) Shelby Farms (WRP); 16/17 Apr (3/2) Decatur Co. (CHB). **Philadelphia Vireo:** 7 May (1) Obion Co. (MAG).

Warbler-Meadowlark: **Swainson's Warbler:** 16 Apr/1 May (2) Shelby Farms (WRP, VBR); 18 May (1) Meeman-Shelby Forest S P, Shelby Co. (LCC, SNM, BHW, HBD, SCF, CHB, VBR). **Northern Waterthrush:** 7 May (1) Rlft L S P (MAG); 8 May (2) Shelby Farms (MLG). **Connecticut Warbler:** 14 May (1) TEC (JAZ). **Painted Bunting:** 4 May-EOP (2) President's Is. (CHB, HBD, DoM VBR, SSL, BHW); 14 May-EOP (2) TEC (JAZ, LVZ, MTOS). **Vesper Sparrow:** 19 Mar (1) TEC (MLG, MGW); 20 Mar (1) Shelby Farms (VBR); 26 Mar/ 10 Apr (3/1) TEC (VBR, CHB, MGW); 4 Apr (3) TEC, 10 Apr (1) Shelby Farms (MLG). **Grasshopper Sparrow:** 2 Apr (1) TEC (VBR); 8 May (1) Shelby Farms (MLG); 23 May (1) President's Is. (DoM, VBR). **LeConte's Sparrow:** 4 Apr (1) Shelby Farms (MLG), late Shelby and west TN. **Song Sparrow:** 22 May (2) TEC (MTOS); 23 May (1) President's Is. (DoM, VBR). **Lincoln's Sparrow:** 17 Mar (1) Shelby Farms (MLG); 16 Apr (1) Shelby Farms (WRP); 16 Apr (2) Decatur Co. (CHB); 7 May (2) Lake Co. (MAG). **Bobolink:** 1 May (25) Lake Co. (MAG); 3 May (1) Shelby Farms (VBR); 7 May (100+) Phillipy (MAG); 8/14 May (300/570) Ensley Levee, sw Shelby Co. (VBR, MGW, LVZ, JAZ); 8/12 May (25/2) Lake Co. (WGC). **Western Meadowlark:** 26 Mar/10 Apr (1) Ensley Bottoms (JF/ LCC, VBR, CHB, MGW). Addendum: **LONG-BILLED CURLEW:** 23 May 1989 (15) Is. 13 (WGC).

Locations: See page 65.

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HIGHLAND RIM AND BASIN REGION: Spring in the region featured cooler temperatures than usual into late May. Heavy rains pushed the total precipitation measured well above average and the resultant standing water created good habitat for several uncommon migrant shorebirds. The passerine migration seemed to contain the number of birds we have come to expect as average over the past 10 years. The most unusual sightings included a Glossy Ibis present for a full week in Coffee County, Henslow's Sparrows which formed a small colony near Cheatham Dam, an American White Pelican which overwintered on Old Hickory Lake, and a White-winged Crossbill which delighted many observers by visiting a feeder near Clarksville during most of March.

Grebe-Cuckoo: **Horned Grebe:** 1 Apr (400) Center Hill Lake, DeKalb Co (BJH, SJS), about 2/3 in breeding plumage. **American White Pelican:** thru 11 May (1) Drakes Creek on Old Hickory Lake, Sumner Co (TJW, m.ob.), present from last season. **Double-crested Cormorant:** 8 May (1) Cane Cr. P. (SJS), lrs. **Cattle Egret:** 14 May (5) Wilson Co (JW Sellars Chapter TOS). **Glossy Ibis:** 20-26 Apr (1 breeding plumaged ad) Coffee Co (*Erma L. Rogers, m.ob.), second regional record. **Osprey:** 13 Mar (1) Cordell Hull Lake, Smith Co (BHS, SJS), ers. **Merlin:** 15 Mar (1) Anderson Road Recreation Area, Davidson Co (Jan Shaw). **Ruffed Grouse:** 26 Mar (1) & 14 May (2) Putnam Co (SJS, BHS). **Sandhill Crane:** 19 Feb (110) & 5 Mar (241) Putnam Co (RWS); 6 Mar (450) Putnam Co (BHS, SJS). **Hooded Merganser:** 31 May (1 f) Cane Cr. P. (SJS, m.ob.). **Ruddy Turnstone:** 4 May (1) Ruth. Co (TJW), first Co record. **Western Sandpiper:** 21 May (1) Cane Cr. P. (SJS). **White-rumped Sandpiper:** 4-14 May (1) Cane Cr. P. (*SJS, m.ob.). **American Woodcock:** 26 Mar-1 Apr (ad on nest, 4 eggs) Cane Cr. P. (Michael & Ann Sanders, BHS, SJS). **Least Tern:** 31 May (1) Fate Sanders Marina, J. Percy Priest Res., Ruth. Co (MLM). **Barn Owl:** 1 Apr (1) Warren Co (SNM). **Black-billed Cuckoo:** 14 May (4) Putnam Co (BHS); 31 May (1) Hickman Co (SJS).

Flycatcher-Warbler: **Scissor-tailed Flycatcher:** 17 Apr (1) Franklin Co (fide TJW). **Olive-sided Flycatcher:** 28 Apr (1) Cane Cr. P. (Julie Pharr); 7 May (1) Stewart Co (TJW, David McCarroll). **Bewick's Wren:** 3-31 May (1) Ruth. Co (TJW, m.ob.), fewer than normal despite moderate weather; 29 May (1) Macon Co (SJS). **Tree Swallow:** May (3 nests) Putnam Co (BHS, SJS). **Cliff Swallow:** 31 May (3) DeKalb Co (SJS). **Solitary Vireo:** 20 Mar (1) Warren Co (SNM), ers; 26 Mar (3) Putnam Co (SJS). **Red-eyed Vireo:** 14 May (395) Putnam Co Spring Count, max. **Warbling Vireo:** 4 May (1) Putnam Co (SJS). **Mourning Warbler:** 9-17 May (1) Murf. (TJW); 14-18 May (3) Radnor L. (TJW, m.ob.); 14 May (1) Wilson Co (JW Sellars Chapter TOS). **Connecticut Warbler:** 16-18 May (1) Radnor L. (TJW, m.ob.); 16 May (1) Nashville (MLM); 20 May (1) Murf. (TJW).

Bunting-Crossbill: **Indigo Bunting:** 14 May (464) Putnam Co Spring Count, max. **Grasshopper Sparrow:** 29 May (1) Macon Co & (2) Clay Co (SJS); 8 May thru period (10+) Wilson Co (TJW, m.ob.). **Henslow's Sparrow:** 8 May thru period (6+) Cheatham Co (TJW, m.ob.), small colony established with probably breeding, would be first state breeding record. **Vesper Sparrow:** 19 Mar (1) Warren Co (SNM). **Song Sparrow:** 29 May (1) Clay Co & (2) Macon Co (SJS); 31 May (1) DeKalb Co (SJS); 1-31 May (4+) downtown Murf. (TJW). **White-throated Sparrow:** to 31 May (1) Putnam Co (BHS, SJS), probably injured bird. **Dickcissel:** 29 May (2) Macon Co (SJS); May (10+) Ruth. Co (TJW, m.ob.). **White-winged Crossbill:** 7-28 Mar (1 m) Montgomery Co (Patty Stinger, m.ob.), coming to feeder with goldfinches.

Locations: See page 65.

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CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: This spring was a rather wet and mild season. More than half of the high seasonal rainfall total fell in March, causing some local flooding. Near normal temperatures in March were followed by slightly warmer than usual conditions in April. As a result, tree leaves emerged a bit early. A cool snap hit in mid May.

Most migrants appeared to move through on schedule. Two species, a flycatcher and a swallow, arrived on new early dates. Waterfowl moved out early. Shorebirds and some transient passerines, mainly thrushes and warblers, seemed somewhat scarce. Perhaps they overflew the region.

Most noteworthy among rarities was a vagrant Violet-green Swallow near Johnson City, the first for Tennessee (pending acceptance). Also quite rare were Northern Goshawk, Yellow-headed Blackbird, Henslow's and Sharp-tailed Sparrows. Breeding data was reported for woodcock, Barn Owl, Tree Swallows, and, most notably, Bald Eagle and Common Ravens.

Bill Haley manned a spring hawkwatch at Soddy-Daisy, near Chattanooga, from 16 February to 8 May. In 76 hours spread over 27 days he tallied nearly 400 hawks. His totals were: Osprey - 8, Bald Eagle - 2, Northern Harrier - 3, Sharp-shinned Hawk - 33, Cooper's Hawk - 15, Red-shouldered Hawk - 38, Broad-winged Hawk - 100, Red-tailed Hawk - 124, American Kestrel - 27, and 48 unidentified. While hawkwatching in the spring may not be as spectacular as it can be in the fall, useful data can be gathered.

Grebe-Heron: **Pied-billed Grebe:** 15 May (1) Aus Spr (JWB et al.), lrs. **Double-crested Cormorant:** 10 Mar (1) Boone L (RLK); 13 Mar (2) Nick Lake, Marion Co

(RJH); 3-17 Apr (1-4) Aus Spr (RLK); 30 Apr (28, max) Kpt (CDL), present all season (m.ob.); 9 May (45) Rkn Bot (RLK). **American Bittern:** 10-29 Apr (1) Bra Lev (BGM, RJH). **Least Bittern:** 15-16 May (1) Aus Spr (JWB et al.). **Great Egret:** 26 Mar (1) Hmlt Co (RJH); 28 Mar/8 Apr (1/4) Aus Spr (RLK); 8 Apr (1) Kpt (CDL); 14-24 May (1-2) Bra Lev (BGM). **Snowy Egret:** 16 Apr (1) Hmlt Co (RJH). **Black-crowned Night-Heron:** 26 Mar (11) Kpt (RLK), max there, present all season; 5 Apr (4) Nol Wat Sct (JBH); 15 May (3) Bristol (John & Lorrie Shumate). **Yellow-crowned Night-Heron:** 29 Apr-EOP (1-9, with 1-2 im) Bra Lev (BGM).

Goose-Crane: **Snow Goose:** 10 Mar (1) Hmlt Co (RJH); 26 Mar (2 white) Clear Creek L, Bristol, Va. (JWC), lrs. **Blue-winged Teal:** 1 Mar (10) Nol Wat Sct (JBH), ers. **Ruddy Duck:** 2 Apr (40) Nick L, Marion Co (RJH), lrs. **Osprey:** 17 Mar (1) Nol Wat Sct (JBH), ers. **Bald Eagle:** 9 Mar (1) Jhn City (Rad Mayfield); 13 Mar (pair nesting) Marion Co (fide RJH). **Northern Goshawk:** 15 May (1 ad) along I-81 near Wash-Greene Co line (*Ann Tarbell). **Sora:** 1 May (2) Aus Spr (RLK, Harry L. Farthing). **Sandhill Crane:** 4 Mar (155) Hmlt Co (RJH); 14/28 Mar (1/2) eastern Putnam Co (SJS); 7 Apr (2) Greene Co (BLC), well east of their usual migration corridor.

Yellowlegs-Hummingbird: **Greater Yellowlegs:** 13 Mar (6) Marion Co (RJH), ers. **Lesser Yellowlegs:** 21 Mar (2) Bra Lev (BGM), ers. **Solitary Sandpiper:** 8 Apr (1) Wash Co (RLK), ers. **Pectoral Sandpiper:** 10 Mar (1) Aus Spr (FJA), ers. ***Dowitcher sp.:*** 8 May (9) Aus Spr (JWB et al.). **American Woodcock:** 5 Mar (6) Hmlt Co (WGH, RJH et al.); 23 Apr/25 May (1 ad with 3 yg at separate sites) Big South Fork (SJS). **Bonaparte's Gull:** 3 Apr (31) Boone L (JWC, LCM), max. **Caspian Tern:** 27 May (1) Aus Spr (FJA). **Common Tern:** 5 May (1) pond in Jhn City (FJA). **Forster's Tern:** 16 Apr (1) Boone L (LCM). **Barn Owl:** 23 Apr (2) Greene Co (fide JBH); 1 May (nest with 3 small yg) Sulphur Springs, Wash Co (RLK); continued regular at Jhn City site (m.ob.). **Ruby-throated Hummingbird:** 28 Mar (1) Hmlt Co (BGM), ers.

Flycatcher-Shrike: **Olive-sided Flycatcher:** 7 May (1) Jhn City (RLK). **Acadian Flycatcher:** 25 May (41 singing on 7.5 miles of trail) Big South Fork (SJS), good count. **Great Crested Flycatcher:** 4 Apr (1) Sullivan Co (CDL), record early by 8 days in area. **Horned Lark:** up to 4 singing males all season in eastern Putnam Co (SJS). **Tree Swallow:** 10/26 Mar (12/120) Kpt (RLK), ers/max; 30 Mar (1 at last year's nest site in post) Hmlt Co (WGH); 7 May (pair in next box) Hmlt Co (WGH); 9 May (pair at nest in tree cavity) Rkn Bot (RLK); 2 pairs nesting in boxes at Aus Spr (RLK). **VIOLET-GREEN SWALLOW:** 27 Mar (1) Aus Spr (*RLK), first state record, pending action of Tennessee Bird Records Committee. **Northern Rough-winged Swallow:** 10 Mar (1) Kpt (RLK), record early in area by 7 days. **Cliff Swallow:** 9 May (20+ nesting under bridge) Rkn Bot (RLK). **Common Raven:** 3 Apr (nest found)/9 Apr (3+ yg in nest) active quarry at Watauga & Carter Cos (JWC, LCM/JWC, RLK), details to be published. **Loggerhead Shrike:** late Apr-early May (5 pairs) Wash Co (RLK).

Vireo-Grosbeak: **Warbling Vireo:** 30 Apr (1) Kpt (CDL); 1 May (2) Wash Co (RLK); 8-15 May (1) Greeneville (DHM, ACL); 9 May (1) Rkn Bot (RLK). **Red-eyed Vireo:** 25 May (199 singing on 7.5 miles of trail) Big South Fork (SJS), good count. **Brewster's Warbler:** 30 Apr & 30 May (1 singing m) Prentice Cooper State Forest, Marion Co (WGH). **Prothonotary Warbler:** 23 Apr (1) Greene Co (fide JBH); 1 May-EOP (1) Aus Spr (RLK et al.); 9 May (2) Rkn Bot (RLK); scarce & local in northeast Tennessee. **Swainson's Warbler:** 25 May (2) Big South Fork (SJS). **Henslow's Sparrow:** 16

May (1) Aus Spr (FJA), 4th area record. **Sharp-tailed Sparrow:** 27 May (1) Aus Spr (FJA et al.), 4th area spring record & latest spring record in state. **Lincoln's Sparrow:** 1-4 May (1 at feeder) Wash Co (JWB). **Yellow-headed Blackbird:** 10 Mar (1 m) Aus Spr (FJA et al.), 2nd verified area record. **Pine Siskin:** 23 Apr (3) Hmlt Co (RJH), lrs. **Evening Grosbeak:** a few scattered feeder reports thru late Apr in northeast part of region; 23 Apr (64) Greene Co (fide JBH), max.

Locations: See page 65.

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EASTERN MOUNTAIN REGION: Precipitation was only slightly above normal for the period. May was cooler than normal. There was some frost as late as the second week of May in the lowlands, while some of the high mountains had a late May freeze. Noteworthy records for the period include a Cooper's Hawk nest in Sullivan Co., and 3 Northern Saw-whet Owl nests (in boxes) on the mountains of Roan and Unaka.

Loon-Merganser: **Common Loon:** 1 May (7) S. Hol. L. (JWC). **Double-crested Cormorant:** 1 May (1) S. Hol. L. (JWC). **Green Heron:** 14 Apr (1) Buffalo Valley, Unicoi Co. (FJA), ers. **Yellow-crowned Night-Heron:** 5 Apr (1) Sycamore Shoals State Park, Carter Co. (RLK); 10 Apr (pair at nest) Hunter Swamp, Carter Co. (RLK). **Northern Pintail:** 23 Mar (1) Wat. R. (CFW). **Blue-winged Teal:** 23 Mar (1) Wat. R. (CFW); 25 Mar (2) Shady V. (JLS, LAS). **Redhead:** 15 Mar (2 m) Shady V. (JLS, LAS). **Greater Scaup:** 15 Mar (16) Shady V. (JLS, LAS). **Bufflehead:** 11 Apr (2) Wilbur L. (FJA), lrs. **Hooded Merganser:** 15 Mar (2 f) Shady V. (JLS, LAS); 10 Apr (2) Wat. R. (RLK), lrs.

Osprey-Sapsucker: **Osprey:** 23 Apr (1) Shady V. (JLS). **Sharp-shinned Hawk:** 7 Apr-22 May (1) Shady V. (JLS, LAS). **Cooper's Hawk:** 2 Apr (active nest) S. Hol. L. (LCM, JWC); 6 Apr-16 May (1) Shady V. (JLS, LAS). **Northern Goshawk:** 1 May (1 ad) Hampton Creek, Carter Co. (FJA et al.). **Northern Harrier:** 16 Mar (1) Hol. V. (JLS). **Peregrine Falcon:** 8 May (1 ad) Ripshin L. (FJA). **Wild Turkey:** 10 Apr (1) Wilbur L. (RLK); 1 May (5) Shady V. (JWC, JLS, RPL). **Greater Yellowlegs:** 2/8 Apr (1/4) Wat. R. (CFW). **Spotted Sandpiper:** 18 Apr (1) Shady V. (JLS, LAS), ers. **Least Sandpiper:** 18 Apr (1) Shady V. (JLS, LAS); 15 May (2) Wat. R. (GOW et al.), lrs. **American Woodcock:** 3 Mar (1) Unicoi Co. (FJA); 7 Mar (1) S. Hol. L. (JWC); 9 Apr (1) Erwin, Unicoi Co. (GWS). **Ring-billed Gull:** 1 May (10) S. Hol. L. (JWC), lrs. **Black-billed Cuckoo:** late Apr-mid May (2) Roan Mt. (Randy Pressnel, FJA), apparent breeding birds; 7 May (1) Hol. V. (RPL). **Great Horned Owl:** 10 Apr (1 yg) Wilbur L. (RLK), B-Cliff nest. **Northern Saw-whet Owl:** 16 Mar (1 calling) Roan Mt. (MB); 22-23 Apr (2-3 calling) Unaka Mt. (RM, FJA); 21 Mar/5 May (1 egg/5 eggs) Roan Mt. (MB), in nest box; 2 other nests in nest boxes found in May, one on Roan Mt. and one on Unaka Mt. (MB). **Ruby-throated Hummingbird:** 10 Apr (1) Shady V. (JLS), ers. **Yellow-bellied Sapsucker:** 20 May (1) Shady V. (JWC, JLS, LCM).

Flycatcher-Vireo: **Alder Flycatcher:** 14 May (2) Roan Mt. (TOS), ers. **Least Flycatcher:** 14 May (2 nests) Roan Mt. (TOS). **Tree Swallow:** 20 Mar (7) Shady V. (JLS et al.); 1 May (2-3 nests in gourds) S. Hol. L. (JWC, RPL). **Bank Swallow:** 25 Mar (1) Wat. R. (GWS, SW, Jim Wayland), record early. **Common Raven:** 5 Apr (1) Doe River Gorge, Carter Co. (RLK); 4, 9 Apr (1) Unicoi, Unicoi Co. (RLK); 13 Apr-21 May (1) Shady V. (JLS, LAS); 8 May (3) Ripshin Lake, Carter Co. (FJA). **Tufted Titmouse:** 14 May (pair) Roan Mt. (RLK et al.), above 4600 ft elev. **Brown Creeper:** 24

Apr (1 singing) Unaka Mt. (RM). **Carolina Wren:** reduced numbers, possibly due to last winter's weather. **Veery:** 15 Apr (2) Shady V. (JLS, LAS); 24 May (9) Iron Mountain, Johnson Co. (JLS, LAS). **Cedar Waxwing:** 5 Mar (300) Carter Co. (RM), max. **Solitary Vireo:** 18 Mar (1) Rock Cr. Pk. (FJA), ers. **Warbling Vireo:** 14 May (2) Wat. R. (GOW et al.).

Warbler-Grosbeak: **Orange-crowned Warbler:** 15 May (1) Roan Mt. (RAP), ties record late date. **Northern Parula:** 10 Apr (1) S. Hol. L. (JWC, LCM), ers. **Black-throated Blue Warbler:** 16 Apr (1) S. Hol. L. (JWC), ers. **Black-throated Green Warbler:** 16 Apr (1) S. Hol. L. (JWC), ers. **Prairie Warbler:** 16 Apr (2) S. Hol. L. (JWC, LCM), ers. **Black-and-white Warbler:** 10 Apr (1) Jacobs Creek, Sullivan Co. (JWC, LCM). **Worm-eating Warbler:** 15 Apr (1) Holston Mountain, Johnson Co. (JLS), ers. **Swainson's Warbler:** 15 Apr (1) Shady V. (JLS, LAS), ers. **Louisiana Waterthrush:** 18 Mar (1) Rock Cr. Pk. (FJA), ers. **Hooded Warbler:** 17 Apr (2) Shady V. (JLS, LAS). **Vesper Sparrow:** 4 Apr (2) Shady V. (JLS, LAS). **Savannah Sparrow:** 20 Mar (1) Shady V. (JWC et al.). **Grasshopper Sparrow:** 23 Apr (1) Shady V. (JLS, LAS). **White-crowned Sparrow:** 8 May (8) Hampton Creek, Roan Mt. (FJA), lrs. **Bobolink:** 30 Apr (4 m) Shady V. (JLS, LAS). **Red Crossbill:** 26 Apr (2) Unaka Mt. (JWN). **Purple Finch:** 2 Apr (50) Hol. V. (RPL), max., they outnumbered **House Finch** here but were more scarce in the rest of the region. **Pine Siskin:** 22 May (5) Shady V. (JLS, LAS), lrs; numbers peaked at 70 at feeders in April in Eliz. **Evening Grosbeak:** 1 Mar (200) Shady V. (JLS, LAS), max.; 17 May (2) Shady V. (JLS, LAS), lrs.

Locations: See page 65.

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OBSERVERS
See page 67.

THE MIGRANT

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NOTICE TO RESEARCHERS

Several references in this issue include dates later than the cover date of 1994. The journal is behind schedule and it has been necessary to use material which, in some cases, was submitted and accepted later in the year.

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PARTIALLY ALBINISTIC HORNED LARK IN SHELBY COUNTY, TENNESSEE

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On 25 November 1994 at 0900 hrs., Martha Waldron, Dollyann Myers, Virginia Reynolds, Murray Gardler, and I went to the T.E. Maxson sewage treatment plant in Shelby Co. to investigate the report of a Snow Bunting (*Plectrophenax nivalis*).

The day was chilly (approx. 10° C.) and overcast, with some wind. The plowed fields were searched for an hour or so before we located a flock of Horned Larks (*Eremophila alpestris*) that contained a very whitish looking bird. We carefully approached the flock several times to get a better look at this bird, but each time the flock flushed, flew around a bit and settled down again. At least twice when the flock flushed, the whitish bird led the flock in flight. Finally we were able to get close enough to the bird to allow good looks through our binoculars and a spotting scope (Kowa 20-60x).

The wings were largely white. The back was white with grey streaks. The head was mostly whitish without a dark crown. There was a dark mask through the eye area that looked exactly like the Horned Lark mask. The color of this area was very dark, but not solid black. The feeding behavior, size, and shape were noted to be the same as the Horned Larks with which the bird was feeding.

After observing this bird for several minutes on three or four occasions, all five of us judged the bird to be an albinistic Horned Lark, and not a Snow Bunting. I searched *The Migrant* and found only one other mention of albinism in Horned Larks. This was by Adele H. West of Chattanooga (*Migrant*, Vol. 29, No. 3, page 60).

I would like to thank Martha Waldron for comments on an earlier draft of this note.

Accepted 14 March 1995.

The Migrant, 65 (4): 59, 1994.

PINE GROSBEAKS IN WEST TENNESSEE

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A group of nine local birders observed four Pine Grosbeaks (*Pinicola enucleator*) on 28 March 1992 in the Eagle Creek section of the Tennessee National Wildlife Refuge, Benton County, Tennessee. The birds were feeding on the buds of an elm (*Ulmus* sp.) tree at the edge of a mixed conifer-hardwood forest. The observation began about 1400 CST and lasted 30-40 minutes. The birds were viewed through a variety of binoculars and a 20-60x Kowa spotting scope at very close range (5-15 m). It was a clear, sunny day with the temperature about 60°F. Besides the authors, the observers were Pat Lawrence, Lorine Dodd, Darryl Edmisson, and Bobby Snow.

The birds were robin-sized and had heavy "grosbeak-type" bills. Of the four, two were males and two were females. The males were dull, rose-red and had dark wings with two white wing bars. The females were gray, tinged yellowish on the head and rump, and had a similar wing pattern. We were impressed by their tameness, as they paid us little attention while they fed.

None of us had any previous experience with this species, but we are familiar with the other grosbeaks and finches that occur in this area. The tameness of the birds, the close range, and length of observation allowed us to study the birds, consult our field guides (Peterson 1980, National Geographic Society 1987), and take notes. The combination of size and field marks distinguished these birds as Pine Grosbeaks. We all concurred on the identification.

This sighting was accepted by the Tennessee Bird Records Committee, becoming the first modern record in the state. Parmalee and Klippel (1982) report fossil evidence of Pine Grosbeak from Maury County, Tennessee.

We thank Richard Knight for editorial assistance.

LITERATURE CITED

National Geographic Society. 1987. *Field Guide to the Birds of North America, 2nd ed.* National Geographic Society, Washington, D.C.

Parmalee, P.W. and W.E. Klippel. 1982. Evidence of a boreal avifauna in middle Tennessee during the late Pleistocene. *Auk* 99:365-368.

Peterson, R.T. 1980. *A Field Guide to Birds.* Houghton Mifflin Co., Boston.

Accepted November 1997.

The Migrant, 65 (4): 60, 1994.

BOOK REVIEW: "BLUEBIRDS FOREVER"

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Toops, Connie M. 1994. *Bluebirds forever.* Voyageur Press, Inc., Stillwater, MN. 128 pages plus a 16-page insert. $35.00. Format: 8.5 x 11 inches.

Three species of bluebirds inhabit North America. Eastern Bluebirds are found in the eastern half, while Mountain Bluebirds and Western Bluebirds occur in the western region. Connie Toops has done an exceptional job of describing and portraying the ecology and behavior of all three species. Each of the 12 chapters is clearly written in nontechnical terms. Throughout the book, the interactions of humans and bluebirds are emphasized. The research activities of many bluebird students are described. In addition, dispersed throughout the book are vignettes, each of two pages, describing the activities of nine bluebird trail operators. The 16-page insert includes construction plans for different types of nest boxes and a list, with addresses, of organizations that promote bluebird conservation.

While the writing is clear, informative, and easy to follow, the feature of the book that will probably impress the most readers is the collection of 126 photographs. Many of the photographs are excellent. Thirty-three of the photographs are full-page and 16 are half-page. Approximately 40% of the book is devoted to photographs.

Typographical errors are virtually nonexistent. I detected few factual errors. The weight of a newly hatched bluebird is said to be 28 grams with an increase to 168-196 grams by day 8. These numbers are not correct. A recently hatched Eastern Bluebird weighs about 2.5 grams, and an adult weighs about 30 grams. The oldest recorded bluebird is said to be 7 years old; while few bluebirds live this long, information about older bluebirds has been published. My main criticism of the book deals not with the small number of factual errors that I detected but with the theme that the survival of bluebirds is dependent on direct assistance from humans. I think this assumption is not correct, although, I should point out, numerous people would disagree with me. I recognize that bluebirds are enticed to some areas because of the presence of nest boxes and, consequently, some local populations are dependent on the availability of nest boxes. However, bluebirds utilize naturally occurring cavities throughout much of their range, and none of the three species of bluebirds is endangered.

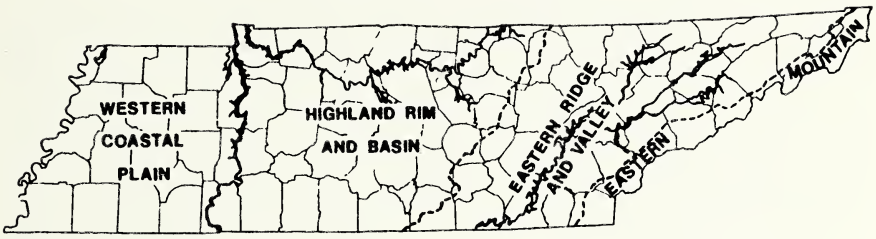
The few faults I detected in this book are far outweighed by the positive points. While $35.00 may seem to be an excessive price for a 128-page book, I believe that most purchasers will agree that the photographs alone are worth the expenditure. I highly recommend this book to anyone who is interested in bluebirds.

Accepted 15 July 1995

The Migrant, 65 (4): 61-67, 1994.

THE SEASON

RICHARD L. KNIGHT, Editor



SUMMER: 1 JUNE - 31 JULY 1994

WESTERN COASTAL PLAIN REGION: Mild temperatures and a wet summer were welcomed by both birds and bird watchers. The Mississippi River environs, its tributaries, and other west Tennessee ecosystems supported a wide variety of shorebirds and passerines. A large heronry in Missouri north of the Tennessee line was monitored by USFW. Two smaller heronries at Reelfoot Lake were also monitored. A lone Anhinga showed itself at Reelfoot, keeping alive the possiblity of a nest site in the refuge. A number of King Rails and Common Moorhens were observed at Reelfoot. Nesting terns were observed in good numbers on exposed sandbars along the Mississippi River. Based on the number of immature Black-necked Stilts at the sewage lagoons near Memphis, spring nesting was successful. With the placement of donated bluebird houses at several parks and refuges, the sightings of bluebirds and other cavity nesters in these areas have become more numerous. The raptor rehabilitation program at the Memphis Zoo hacked two Eastern Screech Owls at Paris Landing State Park; seven Barred Owls in Henry/Shelby Cos. and two at Wapanocca NWR in Arkansas; 20 American Kestrels in Shelby Co., two at Wapanocca NWR; and nine Mississippi Kites at Paris Landing State Park (OKM).

Grebe-Hawk: **Pied-billed Grebe:** 19 Jun-19 Jul (1 ad, 5 yg; 1 ad, 4 yg and 5 older yg) Burnt Wds (WGC); a number of pairs and yg were observed at different times; the highest count is recorded. **Anhinga:** 13 Jun (1) Upper Blue Basin, Rlft L, Obion Co. (MAG). A heron roost in Missouri north of Cates in Lake Co. was observed on 30 July; there were 1,700+ Cattle Egret, 300+ Snowy Egret, 1,000+ Great Egret, 900+ Little Blue Heron, 10 Black-crowned Night-Heron, 2 Green Heron, 1 White Ibis, 1 Tri-colored Heron (MAG). **Black-crowned Night-Heron:** 4 Jun-26 Jul (3 ad, 6 im) Lake Co. & 9 Jun-EOP (3 ad, 3 im) Dyer Co. (WGC). **Yellow-crowned Night-Heron:** 28 Jun-EOP (1 ad, 1 yg) Lake Co. & 3 Jul (1 ad) Whites Lake, Dyer Co. (WGC). **WHITE IBIS:** 12/20 Jul (2 im/4 im) Burnt Wds (WGC, MAG). **Blue-winged Teal:** 4 Jun/21 Jul (2 m, 1 f, 9 downy yg/7 ad) Dyer Co. (WGC); 5 Jun (1 m) #9 Lake, KY (WGC); 13 Jun (2 ad, 5 yg) Black Slough, Lake Co. (MAG); 2/26 Jul (1 f/12) Burnt Wds (WGC). **Northern Shoveler:** 2 Jun-EOP (1 male) TEC (CHB, MLG, MGW), no evidence of breeding. **Osprey:** 5 Jun (1) Phillipy (WGC); 10 Jun (1) Watershed Lake, Obion Co. (WRP); 19 Jun-EOP (2) Rlft L, Lake Co. & 21 Jul (3 im, one nest; 2 ad, second nest) Rlft L, Obion Co. (WGC). **Mississippi Kite:** 25 Jun (nest, 1 yg) Ft Pillow S P (JF); 14 Jul (1) Shelby Farms (CHB), Kites have been reported in all areas of Shelby; 2 Jul-EOP (1) Dyer Co. & (2) Lake Co. (WGC). **Bald Eagle:** 5 Jun (1 yg, nest)

#9 Lake, KY (WGC); 9 Jun (1 im) Glimp, Lauderdale Co. (CHB, VBR, MGW). **Cooper's Hawk:** 8 Jun (1) 1 mile south of 138 on Naylor Road., Silerton BBS, Hardeman Co. (VBR).

Rail-Phalarope: **King Rail:** 2-7 Jul (2 ad, 1 yg) Dyer Co. & 2-26 Jul (4 ad, 10 downy yg and two juv) Burnt Wds (WGC). Rails were seen at various times at both locations; the number of pairs and their offspring were difficult to determine, the highest count seen at one time is printed in this report (MGW). **Common Moorhen:** 3 Jul (2) Walnut Log (MAG, LPH); 21 Jul (1 ad, 5 downy yg; 2 ad, 3 downy yg) Kirby Pocket, Rlft L, Obion Co. (WGC). The EARTH Complex continues to attract both birds and birders. This report reflect the high count made by the following observers (CHB, MLG, DoM, VBR, RLW, MGW). **Semipalmated Plover:** 17 Jul-EOP (10 max) Lake Co. & 20 Jul-EOP (9 max) Dyer Co. (WGC); 23 Jul-EOP (5 max) TEC. **Black-necked Stilt:** 5 Jun (1) Is. 13 (WGC); 23 Jun/3 Jul (nesting) Whites Lake, Dyer Co. (WGC); 17 Jul (149+) TEC; 19 Jul-EOP (1) Burnt Wds (WGC, MAG). **Greater Yellowlegs:** 10 Jul (4) TEC (DLW, MGW) early w TN; 12/20 Jul (3 max) Lake Co. (WGC). **Lesser Yellowlegs:** 2 Jul-EOP (60 max) Burnt Wds (WGC); 17 Jul (37 max) TEC. **Solitary Sandpiper:** 4 Jun (1) Lake Co. (WCG), late west TN; 2 Jul (5) Burnt Wds (WGC); 10 Jul-EOP (6 max) TEC. **Willet:** 12/20 Jul (3/1) Burnt Wds (WGC, MAG), early west TN. **Spotted Sandpiper:** 26 Jul-EOP (13 max) Lake Co. (WGC). **Semipalmated Sandpiper:** 31 Jul (296 max) TEC. **Western Sandpiper:** 13 Jul (8 max) Lake Co. (WGC); 17 Jul (3) TEC; 15/20 Jul (3/1) Dyer Co. (WGC); 25 Jul (2) Burnt Wds (MAG, GMG). **Least Sandpiper:** 17 Jul (137 max) Phillipy (WGC); 17 Jul (230 max) TEC. **White-rumped Sandpiper:** 4 Jun (1) Dyer Co. (WGC); 23 Jul (4) TEC; 29 Jul-EOP (1) Burnt Wds (WGC). **Pectoral Sandpiper:** 12 Jul-EOP (314 max) Lake Co. (WGC); 30 Jul (215 max) TEC; 30 Jul (400+) Burnt Wds (MAG). **Stilt Sandpiper:** 12 Jul-EOP (52 max) Lake Co. (WGC); 17 Jul (17 max) TEC; 25 Jul (10) Burnt Wds (MAG, GMG). **Buff-breasted Sandpiper:** 30 Jul (1) Dyer Co. (WGC). **Short-billed Dowitcher:** 30 Jul (3) Burnt Wds (MAG). ***Dowitcher sp:*** 12/26 Jul (3/10) Black Bayou/Burnt Wds, Lake Co. (WGC); 25 Jul (2) Dyer Co. (WGC); 10/27 Jul (8 max) TEC. **Wilson's Phalarope:** 19 Jul (1) Burnt Wds (MAG).

Tern-Woodpecker: **Caspian Tern:** 3/25 Jul (4) Is. 13/Upper Blue Basin, Lake Co. (MAG, GMG). **Common Tern:** 25 Jul (6) Burnt Wds (MAG, GMG). **Forster's Tern:** 23 Jun (1) Whites Lake, Dyer Co. (MGC), late west TN or summering non-breeder; 17/21 Jul (1/4) Dyer/Obion Cos. (WGC); 25 Jul (4) Upper Blue Basin, Lake Co. (MAG, GMG). **Least Tern:** 16-22 Jun (3210 max) river mile 871.9 to 716.3 Mississippi River (JPR), highlights of the small boat survey located 400 birds at mile 863.4 (Is. 13), 250 at mile 824.9 (Huffman Ldg), 750 at mile 807.5 (Nebraska Pt.), 300 at mile 789 (Keyes Pt.), 325 at mile 755 (Shelby/Tipton line), 150 at mile 716.3 (Cow Island). **Black Tern:** 15 Jul (3) Shelby Farms (MLG); 23 Jun/3 Jul (3/1) Whites Lake, Dyer Co. (WGC); 21 Jul (11) Rlft L, Obion (WGC). **Barn Owl:** two locations in Shelby produced young while at three additional sites individual birds were observed (MGW). **Red-headed Woodpecker:** 30 Jun (2) Southwind Golf Course, se Shelby (GRP, JBP).

Swallow-Sparrow: **Bank Swallow:** 9 Jun (110) Fulton, Lauderdale Co. (CHB, VBR, MGW); 14 Jun (85 nests) Chickasaw NWR (CHB, GCP, VBR, MGW). On 30 July, the island north of Cates (Lake Co.) provided a roost for 1,000+ American Crow, 200+ Fish Crow and 20,000+ Purple Martin (MAG). **Fish Crow:** 9 Jun (2) Lwr Hatchie NWR (CHB, VBR, MGW); 13 Jun (4) Rlft L (WGC); 25 Jul EOP (5 max) Burnt Wds

(WGC, MAG); 26 Jul-EOP (1) Is. 13 (WGC); 26 Jul (8) Trenton, Gibson Co. (MAG, BLG). **Yellow Warbler:** 9 Jun (2) Lwr Hatchie NWR (CHB, VBR, MGW). **Pine Warbler:** 4 Jun (8) Hillville, Hatchie NWR (DoM, MGW). **Prairie Warbler:** 4 Jun (2) Big Eddy, Hatchie NWR (DoM, MGW), not always present on the breeding bird count day. A breeding bird survey has been made on the refuge by boat and car since 1974 except for the years from 1976 to 1980. **Black-and-white Warbler:** 8 Jun (1) Whiteville BBS, Hardeman Co. (CHB, VBR); 12 Jun (1) west of Mooring, Lake Co. (WRP) first for both counts. **Swainson's Warbler:** 2 Jun (4) Hatchie NWR, upper river (LCC, JBG, Bob Cooper); 4 Jun (3) Hatchie NWR, lower river (CHB, GCP, Glenn Stanley). **Scarlet Tanager:** 11 Jun (1) ne of Samburg (WRP). **Blue Grosbeak:** 4 Jun (3 max) Hatchie NWR (DoM, VBR, MGW); 9 Jun (5) Lwr Hatchie NWR (CHB, VBR, MGW). **Painted Bunting:** 7 Jul (1) TEC (MLG). **Grasshopper Sparrow:** 12 Jun (4) PawPaw BBS, Lake Co. (WRP), four different stops. **Song Sparrow:** 1 Jun-EOP (2) TEC (CHB, MLG, VBR, MGW) in two locations; 12 Jun (1) west of Mooring, Lake Co. (WRP).

Locations: See page 65.

MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38119

HIGHLAND RIM AND BASIN REGION: Summer weather in the region featured average temperatures, but the amount of precipitation was well above normal. A modest number of reports were received. Henslow's Sparrows remained near Cheatham Dam and the first breeding record for the state was suspected. Apparently a pair of Golden Eagles successfully fledged one young, but no details were received (Jackson Co). A most unusual hawk sighting on 3 June is included for interest.

Bittern-Woodcock: **Least Bittern:** 5 Jun (1) City Lake, Putnam Co (BHS), third Co record. **Cattle Egret:** 14 Jun (6) Ovoca Lake, Coffee Co (Marguerite & Frank Hernandez). **Great Egret:** 23 Jul (1) White Co (SJS). **Yellow-crowned Night-Heron:** 21 Jul (1 ad, 1 im) Burgess Falls, Putnam Co (SJS, Tom Saya). **Hooded Merganser:** 1 Jun (1 f) Cane Cr. P. (SJS, m.ob.). **Osprey:** 25 Jun (1) Cheatham Res., Cheatham Co (Jan Shaw); 2 Jul (1) J. Percy Priest Res. (Hazel Cassel). **Bald Eagle:** 16 Ju (1) J. Percy Priest Res. (MLM). **Cooper's Hawk:** 30-31 Jul (2) Jackson Co (BHS, SJS). **NORTHERN GOSHAWK:** 3 Jun (1 im) Bedford Co (Melissa & Roy Turrentine), well documented with field sketches. **Spotted Sandpiper:** 13 Jun (1 ad, 2 yg) Williamson Co (SJS), also nested there in 1993. **Least Sandpiper:** 8-15 Jul (1-4) Cane Cr. P. (SJS). **American Woodcock:** 6 Jun (1) Metro Center, Nashville (TJW).

Flycatcher-Vireo: **Willow Flycatcher:** 6 Jun (2) Metro Center, Nashville (TJW). **Scissor-tailed Flycatcher:** 1 Jul (1) Montgomery Co (George Shroer). **Tree Swallow:** 30 Jun-7 Jul (4 yg fledged) Montgomery Co (Joe D. Allen), first Co nesting; 8-11 Jul (4+) Cane Cr. P. (SJS). **Cliff Swallow:** 13 Jun (9) Maury Co (SJS). **Bewick's Wren:** 1 Jun-28 Jul (1 singing) Montgomery Co (Joe D. Allen); 11 Jun (1) Williamson Co (SJS). **Solitary Vireo:** 19 Jun-6 Jul (1) Cheatham Co (RC, FJM). **Warbling Vireo:** 1 Jun (1) Coffee Co (SJS).

Warbler-Oriole: **Chestnut-sided Warbler:** 4 Jun (3 singing m) Cheatham Co (RC). **Yellow-rumped Warbler:** 1 Jun (1) Coffee Co (SJS), late migrant. **Blackburnian Warbler:** 4 Jun (1) Cheatham Co (RC). **Black-and-white Warbler:** 8 Jul (1) Radnor L. (MLM). **Prothonotary Warbler:** 8-20 Jul (2+, nested) Sumner Co (Dick Newton).

Northern Waterthrush: 13 Jun (1) Radnor L. (MLM), very late. **Louisiana Waterthrush:** 8 Jul (1) Radnor L. (MLM), still singing. **Canada Warbler:** 30 Jul (1) Radnor L. (GAF), new early fall arrival in Nashville area. **Dickcissel:** 1 Jun (7) Bedford Co (SJS). **Lark Sparrow:** 22 Jul (1) Nashville (MLM). **Grasshopper Sparrow:** 1 Jun (5) Bedford Co (SJS); 13 Jun (1) Hickman Co (SJS); 20 Jul (1 carrying food) AEDC, Franklin Co (DLD). **Henslow's Sparrow:** from last season thru 31 Jul (3+) Cheatham Co (TJW, m.ob.), nesting suspected. **White-throated Sparrow:** 1 Jun-1 Jul (1) Putnam Co (BHS, SJS), first summer record in Co. **Baltimore Oriole:** 1 Jun (5) Coffee Co (SJS).

Locations: See page 65.

TERRY J. WITT, 507 Highland Terrace, Murfreesboro, TN 37130

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: Following a mild and wet sprnig, summer continued warm and wet. Nearly triple the average amount of rain fell in July. The effects of this on birdlife were uncertain.

Most notable this season was the two-day count of 205 singing Cerulean Warblers along 16 miles of trails at Frozen Head State Park, on the northern plateau. This must surely be the greatest concentration of this beleaguered Neotropical migrant in the state.

Loon-Heron: **Common Loon:** 27 Jun (1) Chick L (BTC). **Pied-billed Grebe:** 19 Jul (1) Chick L (KHD, LHD). **Double-crested Cormorant:** 10 Jun (1) Nol Wat Sct (Mike Edmonds). **Great Egret:** 6 Jun/26 Jul (1) Nol Wat Sct (JBH); 25 Jul (1) Aus Spr (JWC, LCM); 30 Jul (4) Bra Lev (LAW). **Little Blue Heron:** 30 Jul (1) Bra Lev (LAW). **Cattle Egret:** 13 Jun (3) Sav Bay (KHD, LHD). **Black-crowned Night-Heron:** 1 Jul (1) Watts Bar Dam, Rhea & Meigs Cos (BTC); 23 Jul (2) Middlebrook L, Bristol, Va. (JWC); 31 Jul (12) Boone L (Lloyd Jones).

Hawk-Woodpecker: **Cooper's Hawk:** 5 Jun (4 nestlings banded) Holston Valley, Sullivan Co (JWC, RLK, Pat Galliher, LCM); 12 Jun/6 Jul (1) Sav Bay (KHD, LHD); 12 Jun (1) Jonesborough, Wash Co (DEH). **Peregrine Falcon:** 30 Jul (1) Bra Lev (LAW). **American Coot:** 25 Jun (3) Nick L, Marion Co (BTC); 5/19 Jul (2/3) Chick L (KHD, LHD). **Spotted Sandpiper:** 3 Jun (1) Aus Spr (RLK), late migrant? **Pectoral Sandpiper:** 27 Jul (17) Bra Lev (KAC). **Short-billed Dowitcher:** 27 Jul (12) Bra Lev (KAC). **Common Tern:** 10 Jul (5) Boone L (Mary Jane Erwin, Judy Roach). **Forster's Tern:** 27 Jun (1) Chick L (BTC); 10 Jul (2) Boone L (Lloyd Jones). **Barn Owl:** 12 Jun (1) Hmlt Co (KHD, LHD, KAC); mid Jun (nest with yg) Albany, Greene Co (Richard Nevius). **Red-headed Woodpecker:** 1/22 Jul (2 a, 1 im) Hmlt Co (TLR).

Flycatcher-Thrush: **Willow Flycatcher:** 5 Jun (2 singing) 3 miles SE of Wartburg, Morgan Co (SJS). **Horned Lark:** 14 Jun (1 singing) eastern Putnam Co (SJS). **Tree Swallow:** early Jun (pair nesting in bluebird box) Bowmantown, Wash Co (Herb Armentrout, RLK); 12 Jun-29 Jul (2-3) Nol Wat Sct (JBH, ACL, DHM); 4 Jul (8) Hiwassee River, Meigs & Bradley Cos (BTC); 4 Jul (6) Watts Bar L, Rhea Co (BTC). **House Wren:** 23 Jun (2) Sav Bay (KHD, LHD). **Winter Wren:** 4 Jun (1 singing) Frz Hd (SJS), at 2800-2900 ft. elevation, possible breeder. **Blue-gray Gnatcatcher:** 3 Jun (41) Tenn. R. Gorge (LHD, TLR). **Gray-cheeked Thrush:** 4 Jun (1) Frz Hd (SJS), late migrant.

Vireo-Oriole: **Solitary Vireo:** 4/5 Jun (21 total, including adult on nest at 1800-1900 ft. elev.) Frz Hd (SJS); 4 Jul (3) Foster Falls, Marion Co (TLR). **Yellow-throated Warbler:** 3 Jun (25) Tenn. R. Gorge (LHD, TLR). **Cerulean Warbler:** 4/5 Jun (106/

99) Frz Hd, on non-overlapping 9 & 7 mile trail segments, mostly between 2000-3100 ft. elev. (SJS), excellent count. **Swainson's Warbler:** 15/16 Jun (1) Big South Fork NRRA, Scottt Co (SJS). **Rose-breasted Grosbeak:** 4/5 Jun (13, including female on nest at 2100 ft. elev.) Frz Hd (SJS). **Savannah Sparrow:** 27 Jun (1) Greene Co (ACL, DHM). **Northern Oriole:** 7 Jun (1) Hmlt Co (KHD, LHD); 9 Jun (2) Tenn. R. Gorge (KHD, LHD).

Locations: See page 65.

RICHARD L. KNIGHT, 804 North Hills Drive, Johnson City, TN 37604

EASTERN MOUNTAIN REGION: Precipitation was about 2 inches above normal for the period. Temperatures were moderate with no excessive hot streaks.

Egret-Owl: **Great Egret:** 14 Jul (1) Powder Branch, Carter Co. (Vickie Lewis). **Cooper's Hawk:** 5 Jun (nest, 4 yg, banded) Hol. V. (JWC, RLK, LCM, Pat Galliher). **Wild Turkey:** 12 Jul (1) White Top Knobs, Sullivan Co. (RPL). **Spotted Sandpiper:** 18 Jul (1) S. Hol. L. (JWC, LCM). **Northern Saw-whet Owl:** 2 nests on Roan Mt. fledged 4 young each, a nest on Unaka Mt. failed (MB).

Flycatcher-Siskin: **Alder Flycatcher:** early to mid June (2, on territory) Carver's Gap, Roan Mt. (FJA). **Tree Swallow:** 4 Jun (1) Hunter, Carter Co. (RLK); 5 Jun (2) S. Hol. R. (JWC, LCM); 19 Jun (2 ad, 3 yg) Ripshin L. (RM). **Red-breasted Nuthatch:** early to mid June (1-5) Roan Mt. and Unaka Mt. (RLK et al.); 6 Jun (1) Rock Cr. Pk. (FJA, RLK), 1800 ft elev. **Brown Creeper:** 4/19 Jun (3 singing/2 singing) Roan Mt. (RLK) in spruce-fir. **Hermit Thrush:** 4/19 Jun (2 singing/1 singing) Roan Mt. (RLK), in spruce-fir. **Brown Thrasher:** 4/19 Jun (1) Carver's Gap, Roan Mt. (RLK). **Warbling Vireo:** 5 Jul (1) S. Hol. R. (JWC, LCM). **Blue-winged Warbler:** 19 Jun (2) Poga, Carter Co. (TSM), also present here the 2 previous summers. **Yellow-rumped Warbler:** 4 Jun (1 male on territory) Carver's Gap, Roan Mt. (RLK). **Blackburnian Warbler:** 17 Jul (3) Low Gap, Holston Mountain, Sullivan Co. (LCM, JWC, JLS). **Swainson's Warbler:** 31 May (nest with 5 eggs) Rock Cr. Pk. (FJA, Ron Austing), later with 4 young and 1 unhatched egg; 4 Jun (1) Harper's Creek, Holston Mountain, Sullivan Co. (JWC, JLS), 2200 ft elev., new at this site. **Pine Siskin:** 4/19 Jun (10/2) Roan Mt. (RLK); 2/18 Jun (2/3) Unaka Mt. (DEH/RLK).

Locations: See below.

RICHARD P. LEWIS, 407 V.I. Ranch Road, Bristol, TN 37620.

LOCATIONS

WESTERN COASTAL PLAIN REGION: Burnt Wds-Burnt Woods, Reelfoot Lake, Lake Co.; Big Sandy-Big Sandy Unit, Tennessee NWR, Haywood Co.; Chickasaw NWR-Chickasaw National Wildlife Refuge, Lauderdale Co.; Ensley Bottoms-Ensley Bottoms, Shelby Co.; Fort Pillow S P-Fort Pillow State Park, Lauderdale Co.; Germantown-Germantown, Shelby Co.; Grt Rvr Rd-Great River Road, Dyer Co.; Hatchie NWR-Hatchie National Wildlife Refuge, Haywood Co.; Is. 13-Island 13, Lake Co.; Kndy Pk-Kennedy Park, Shelby Co.; Lauderdale WMA-Lauderdale Waterfowl Management Area, Lauderdale Co.; Lwr Hatchie NWR-Lower Hatchie National Wildlife Refuge, Tipton Co.; Long Point-Long Point, Reelfoot Lake, Lake Co.; MLK Park-Martin Luther King Park, Shelby Co.; Mustin Bottoms-Mustin Bottoms, Shelby Co.; Overton Prk-Overton Park, Shelby Co.; Phillipy-**Lake Co.;**

Pickwick S P-Pickwick State Park, Hardin Co.; President's Is.-President's Island, Shelby Co.; Rlft L-Reelfoot Lake, Lake and Obion Cos.; Rlft L NWR-Reelfoot Lake National Wildlife Refuge, Obion Co.; Rlft L S P-Reelfoot Lake State Park, Lake Co.; Samburg-Samburg, Obion Co.; Shelby Farms-Shelby Farms (formerly Penal Farm), Shelby Co.; TEC-The Earth Complex, Shelby Co.; Walnut Log-Walnut Log, Reelfoot Lake, Obion Co.; MARTHA G. WALDRON, 1626 Yorkshire Dr., Memphis, TN 38119

HIGHLAND RIM AND BASIN REGION: Big Sandy-Big Sandy Unit, Tennessee NWR, Benton Co.; Burgess Falls-Burgess Falls State Natural Area, Putnam Co.; Cane Cr. P.-Cane Creek Park, Putnam Co.; Duck River-Duck River Unit, Tennessee NWR, Humphreys Co.; Gal.Stm.P.-Gallatin Steam Plant, Sumner Co.; Greens Pond-Greens Pond, Old Hickory Lake, Sumner Co.; Mon. Ponds-Monsanto Ponds, Maury Co.; Old Hick. L.-Old Hickory Lake, Sumner Co.; Metro Center-Metro Center, Davidson Co.; Murf.-Murfreesboro, Rutherford Co.; Pace Point-Pace Point, Big Sandy Unit, Tennessee NWR, Benton Co.; Radnor L.-Radnor Lake State Natural Area, Davidson Co.; Ruth. Co-Rutherford Co.; Shelby Bottom-Shelby Bottom, Davidson Co.; Woods Res.-Woods Reservoir, Franklin Co.; TERRY J. WITT, 507 Highland Terrace, Murfreesboro, TN 37130

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION: Aus Spr-Austin Springs, Washington Co.; Big South Fork-Big South Fork National River & Recreation Area, Scott Co.; Boone L-Boone Lake, Sullivan & Washington Cos; Bra Lev-Brainerd Levee, Hamilton Co.; Cher L-Cherokee Lake, Grainger & Hamblen Cos portion; Chick L-Chickamauga Lake, Hamilton Co portion; Doug L-Douglas Lake, Jefferson & Sevier Cos; Frz Hd-Frozen Head State Park, Morgan Co.; Ft Loud L-Fort Loudon Lake, Knox Co portion; Gvl-Greeneville; Hmlt Co-Hamilton Co.; Jhn City-Johnson City; Kpt-Kingsport; Ktn Stm P-Kingston Steam Plant, Roane Co.; Lst-Limestone, Washington Co.; Nick L-Nickajack Lake, Marion Co; Nol Wat Sct-Nolichucky Waterfowl Sanctuary, Greene Co.; Rkn Bot-Rankin Bottoms, Cocke Co.; Sav Bay-Savannah Bay, Hamilton Co.; Tenn. R. Gorge-Tennessee River Gorge, Marion Co.; Wash Co-Washington Co.; RICHARD L. KNIGHT, 804 North Hills Drive, Johnson City, TN 37604

EASTERN MOUNTAIN REGION: Big Bald Mt.-Big Bald Mountain, Unicoi Co.; Cades Cove-Great Smoky Mountains National Park; Cross Mtn.-Cross Mountain, Johnson Co.; Eliz.-Elizabethton, Carter Co.; Hol. V.-Holston Valley, east Sullivan Co.; Ripshin L.-Ripshin Lake, Carter Co.; Roan Cr.-Roan Creek arm of Watuaga Lake, Johnson Co.; Roan Mt.-Roan Mountain, Carter Co.; Rock Cr. Pk.-Rock Creek Park, Unicoi Co.; Shady V.-Shady Valley, Johnson Co.; S. Hol. L.-South Holston Lake, Sullivan Co.; S. Hol. R.-South Holston River, Sullivan Co.; Wat. L.-Watauga Lake, Carter Co.; Wat. R.-Watauga River, Carter Co.; Wilbur L.-Wilbur Lake, Carter Co.; Unaka Mt.-Unaka Mountain, Unicoi Co.; RICHARD P. LEWIS, 407 V.I. Ranch Road, Bristol, TN 37620

ABBREVIATIONS

ad - adult
b - banded
co. - county
EOP - end of period
ers - earliest reported sighting
fide - reported by
im - immature
lrs - latest reported sighting
max - maximum one day count
m.ob. - many observers
Res. - Reservoir
yg - young
** - documentation submitted*

OBSERVERS

WESTERN COASTAL PLAIN REGION

CHB - Carolyn H. Bullock
GBB - Gilbert B. Beaver
JDC - Jamie Casey
LCC - Lula C. Coffey
RTC - Robert Casey
WGC - William G. Criswell
HBD - Helen B. Dinkelspiel
JF - Joe Francis
SCF - Sue C. Ferguson
WBF - William B. Fowler
BLG - Bethany L. Greene
BNG - Beverly N. Griffin
GMG - Gail M. Greene
JBG - Joe B. Guinn
MAG - Mark A. Greene
MLG - Murray L. Gardler
AHH - Anne H. Heilman
AlH - Allen Hight
HSH - Helen S. Hight
MaH - Martha Heinemann
LPH - L. Paul Hertzel
RDH - Ron D. Hoff
GLI - Ginger L. Ilardi
TMI - Theresa M. Irion
SSL - Selma S. Lewis
DoM - Dolly Ann Myers
JPM - Joyce P. Morrison
CWM - Charles W. McCrary
NPM - N. P. McWhirter
SNM - Susan N. McWhirter
OKM - O. Knox Martin
DDP - Dick D. Preston
DFP - Don F. Preston
GRP - George R. Payne
JBP - Jeanne B. Payne
RWP - Robert W. Peeples
WRP - William R. Peeples
GCP - Gaynell C. Perry
EJR - Ernie J. Restivo
VBR - Virginia B. Reynolds
JPR - John P. Rumancik
RRS - Richard R. Spore
BHW - Barbara H. Wilson
JEW - James E. Waldron
JRW - Jeff R. Wilson
MGW - Martha G. Waldron
RLW - Dick L. Whittington
TJW - Terry Witt
JAZ - John A. Zempel
LVZ - Linda V. Zempel
MTOS - Memphis Chapter, TOS

HIGHLAND RIM AND BASIN REGION

JDA - Joe D. Allen
TC - Theresa Clark
RC - Richard Connors
DLD - Don L. Davidson
GAF - Gilbert A. Foster
MSH - Mark S. Hackney
MLM - Margaret L. Mann
FJM - F. Joseph McLaughlin
NPM - N.P. McWhirter
SNM - Susan N. McWhirter
NTOS - Nashville Chapter TOS
RWS - Richard W. Simmers
CAS - Chris A. Sloan
BHS - Barbara H. Stedman
SJS - Steven J. Stedman
ATT - Ann T. Tarbell
TJW - Terry J. Witt
RLW - R. L. "Pete" Wyatt

CUMBERLAND PLATEAU/RIDGE AND VALLEY REGION

FJA - Fred J. Alsop
PHB - Phine H. Britton
JWB - James W. Brooks
KAC - Kevin A. Calhoon
BTC - Barbara T. Claiborne
JWC - J. Wallace Coffey
ACC - Andrew C. Core
BLC - Brian L. Cross
KHD - Kenneth H. Dubke
LHD - Lillian H. Dubke
WGH - William G. Haley
RJH - R. John Henderson
ARH - Audrey R. Hoff
JBH - James B. Holt
DEH - Dan E. Huffine
RLK - Richard L. Knight
ACL - Alice C. Loftin
CDL - Carol D. Lynn
LCM - Larry C. McDaniel
BGM - Barbara G. McMahan
DHM - Don H. Miller
JWN - Jerry W. Nagel
TLR - Tommie L. Rogers
BHS - Barbara H. Stedman
SJS - Stephen J. Stedman
LAW - Libby A. Wolfe
Gvl TOS - Greeneville Chapter, TOS

EASTERN MOUNTAIN REGION

FJA - Fred J. Alsop
JWB - James W. Brooks
MB - Mark Barb
BBC - Bristol Bird Club
BLC - Brian L. Cross
JWC - J. Wallace Coffey
DEH - Dan E. Huffine
RLK - Richard L. Knight
HPL - Howard P. Langridge
RPL - Richard P. Lewis
TFL - Tom F. Laughlin
LCM - Larry C. McDaniel
RM - Rad Mayfield
TSM - Tom S. McNeil
JWN - Jerry W. Nagel
RAP - Rick Phillips
GWS - Glen W. Swofford
JLS - John L. Shumate
LAS - Lorie A. Shumate
CFW - C. Frank Ward
GOW - Gary O. Wallace
SW - Shirley Wayland
LRHTOS - Lee Herndon Chapter, TOS
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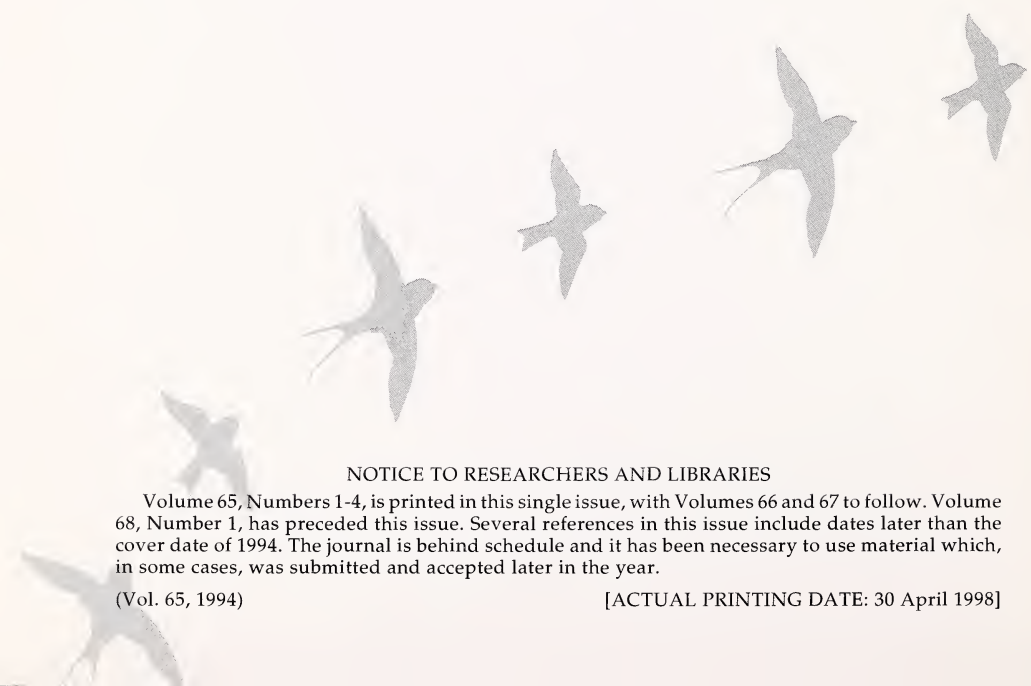

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